



FADE TO GREY

The Hobbyboss 1:35 Pz.I Ausf F
gets new weathering



www.creativemodels.co.uk

Model by Wayne Hui

Model by Jeremy Moore

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24



8



42



4 NEWS

Military scale-modelling news

8 DEFENDER OF MARIUPOL

ICM's excellent 1:35 Kozak-2, with an extraordinary story behind it

16 SAIGON STREET-RUNNER

Gecko Models Lambro 550, previewed

18 D-DAY EXPERIENCE (DEAD MAN'S CORNER MUSEUM)

One of the best museums on D-Day in Europe...

24 STORM HOWITZER!

MiniArt's 1:35 StuH.42 full-build

32 FEELING BURNT-OUT

An American soldier inspects railway wagons carrying Sd.Kfz. 10/4s

COVER STORY

34 FADE TO GREY

Repainting an older build of the Hobbyboss Pz.I Ausf.F

42 DEATH TO THE FASCISTS!

An expert white-wash camouflage on Dragon's 1:35 T-34/76

50 SMALL, BUT PERFECTLY FORMED?

Photo references for the British Light Mk.VIB

58 MICHAEL WITTMAN'S TIGER

Takom's 1:35 late-Production Tiger I, previewed

60 ORDNANCE DEPOT

New and recently released accessory sets and modelling materials

62 BOOK REVIEWS

Military modelling-related book reviews

66 SIGN OFF

German prisoners and American soldiers in Normandy



THIS MONTH IN TAMIYA MODEL MAGAZINE...

In the September 2024 Issue (347) of Tamiya Model Magazine we have a detailed article on Vespia's 1:72 RAAC 'Aussie' Centurion Mk.5/1 in Vietnam War service. Check it out! www.doolittlemedia.com

NEWS JUST IN...

AFV CLUB

- 1:35 YPR-765 PRI.50 APC Ukraine & Netherlands

bachmann.co.uk



ANDY'S HOBBY HEADQUARTERS

- 1:16 US M8 Greyhound Crew X4 resin figures
- 1:16 DEMAG D7 Sd.Kfz.10
- 1:16 Sd.Kfz.250

andyshhq.com

CLASSY HOBBY

- 1:16 WWII US Tank Crew
- 1:16 WWII US Tank Commander

www.tankmuseumshop.org



GECKO MODELS

- 1:35 '60s-'70s Saigon Shuttle X2 kits in one box, one driver figure
- 1:35 Allied Casualties on Stretchers WWII
- 1:35 Bedford MWC 15-CWT 4X2 250 Gallon Water Bowser Truck (Open Cab Aeroscreen)
- 1:35 Gecko GS Truck 30cwt 4x2 Bedford OXD (Early Prod)
- 1:35 Gecko GS Truck 30cwt 4x2 Bedford OXD (Late Prod)

tankmuseumshop.org



ICM

- 1:35 Bergepanther with Pz.Kpfw.IV
- 1:35 Beobachtungspanzerwagen Sd.Kfz.251/18 Ausf.A WWII German Observation Vehicle
- 1:35 Kozak-2 State Border Guard Service of Ukraine
- 1:35 Leopard 2A6 Ukraine w/crew
- 1:35 Tank Crew of the Armed Forces of Ukraine

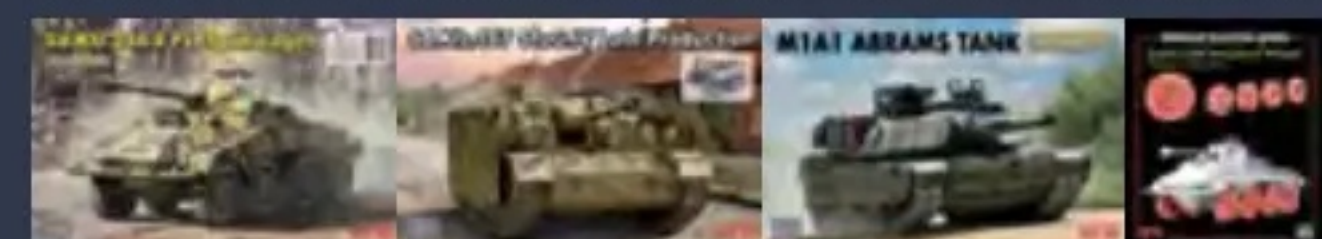
icm.com.ua hannants.co.uk



MINIART

- 1:24 Plastic Barrels
- 1:35 German 3t Cargo Truck
- 1:35 German 3t Cargo Truck early production
- 1:35 German Elite Gun Crew
- 1:35 Milling Machines
- 1:35 Tempo A400 Kastenwagen
- 1:35 Generator PE-95 with fuel tanks
- 1:35 K-51 Radio Truck with Trailer

creativemodels.co.uk



RYE FIELD MODEL

- 1:35 Sd.Kfz.234/4 Pz.Spähwagen
- 1:35 M1A1 Abrams tank Ukraine Update Version
- 1:35 Sd.Kfz.167 StuG.IV Late Production
- 1:35 Sd.Kfz.234 3D-printed weighted wheels

tankmuseumshop.org

TAKOM

- 1:35 JMSDF Mk.45 mod4 5"/62 naval gun
- 1:35 PLA Navy HHQ-10 surface-to-air-missile
- 1:35 PLA Navy H/PJ38 130mm naval gun
- 1:35 PLA Navy H/PJ45 130mm naval gun
- 1:35 PLA Navy HHQ-10 surface-to-air-missile
- 1:35 Jagdtiger Porsche Production Type
- 1:35 Jagdtiger Porsche Production Type w/ Zimmerit
- 1:35 V-1 Flying Bomb Launch Site
- 1:35 V-1 Flying Bomb w/interior
- 1:35 VK45.02(H) draft blueprint w1461
- 1:35 Tiger I Ausf.E experimental project 3-in-1

bachmann.co.uk

TREX

- 1:35 Tiger I transport tracks w/roadwheel hubs

t-rex-studio.com



NEW FROM AHHQ

1:16 M113A1/M113A1 ACAV

Amazing news from Andy's Hobby Headquarters in Arizona, USA in the form of the US Army's famous Vietnam War armoured personnel carrier in the big scale of 1:16! Interior is fully detailed and the kit comes with a gunner figure. More news soon.

www.andyshhq.com



COMING SOON FROM AFV CLUB

1:35 CHURCHILL ARK MK I

One of the 79th AD's more recognisable 'Funnies' is the Churchill bridge-tank, replicated to perfection in miniature by AFV Club.

www.bachmann.co.uk and from good retailers everywhere



NEW FROM AIRFIX

1:35 CROMWELL MK.IV/MK.VI

Airfix has re-launched the excellent 1:35 Cromwell tank kit with new decals for the Welsh Guards and County of London Yeomanry.

www.airfix.com and from good retailers everywhere



COMING SOON FROM ICM

1:35 STUDEBAKER US6-US

In 1:35, ICM are to issue the handsome Studebaker US6-US fuel truck, great for dioramas

www.icm.com.ua hannants.co.uk



COMING SOON FROM CAMS

1:35 BRITISH BEDFORD OS AND BEDFORD OX TRUCKS

New 1:35 kits of the WW2 British Bedford OS and Bedford OX trucks are being created by Combat Armour Models.

www.hannants.co.uk



NEW FROM COPPER STATE MODELS - 1:32 AND 1:35 BRITISH DISPATCH RIDER WW1

This gorgeous new kit makes use of 3D-print technology and it really is the only way to get the wheel spokes looking suitable in-scale.

www.copperstatemodels.com



COMING SOON FROM GECKO MODELS

1:16 UNIVERSAL CARRIER MK.II

Here are the latest images of this much-anticipated kit - it's getting closer to release!

www.tankmuseumshop.org



NEW FROM ICM
1:35 HUMVEE M1097A2
 An all-new tool kit of the iconic HUMVEE is much needed, and ICM have obliged!
www.icm.com.ua www.hannants.co.uk



COMING SOON FROM MINIART
1:35 M3 STUART EARLY PRODUCTION

The latest version of MiniArt's all-new M3 Stuart is the 'early production' machine, No interior, but still with amazing detail.
www.miniart-models.com www.creativemodels.co.uk



BACK FROM REVELL
1:35 MODELSET LKWGL LEICHT WOLF

A neat little kit and ideal to place alongside Leopard tanks in 1:35!
www.revell.de



Version D - Raggruppamento Sahariano "Mammari", Tunisia, 1942.



F Verde Mimetico 2 FS 34092 4723 AP
 F Giallo Mimetico 3 FS 33434 4645 AP
 MF Gun Metal FS 37229 4681 AP

BACK FROM ITALERI
1:35 AS.42 SAHARIANA

Italeri's WW2 Italian Sahariana has an interesting look all of its own, and now it is on the way back!
www.hobbyco.net and good retailers everywhere



NEW FROM MINIART
1:35 SD.KFZ.234/2 W/LUCHS TURRET

This is an interesting variant of the WW2 German eight-wheeled armoured car, featuring the turret from a Pz.II Ausf. L Luchs instead of the standard unit.
www.miniart-models.com
www.creativemodels.co.uk



NEW FROM MINIART
1:35 SD.KFZ.234/4 SCHWERER PANZERSPAHWAGEN 7.5CM INTERIOR KIT

This big, eight-wheeled hard-hitter is an all-new kit with full interior.
www.miniart-models.com
www.creativemodels.co.uk

Cupola

for Tiger I Early Production for all brands



COMING SOON FROM TREX
1:35 TIGER I EARLY-PRODUCTION CUPOLA

This superdetailed, 3D-print commander's cupola will add a superb touch of sparkle to a model of an early Tiger I.
www.t-rex-studio.com



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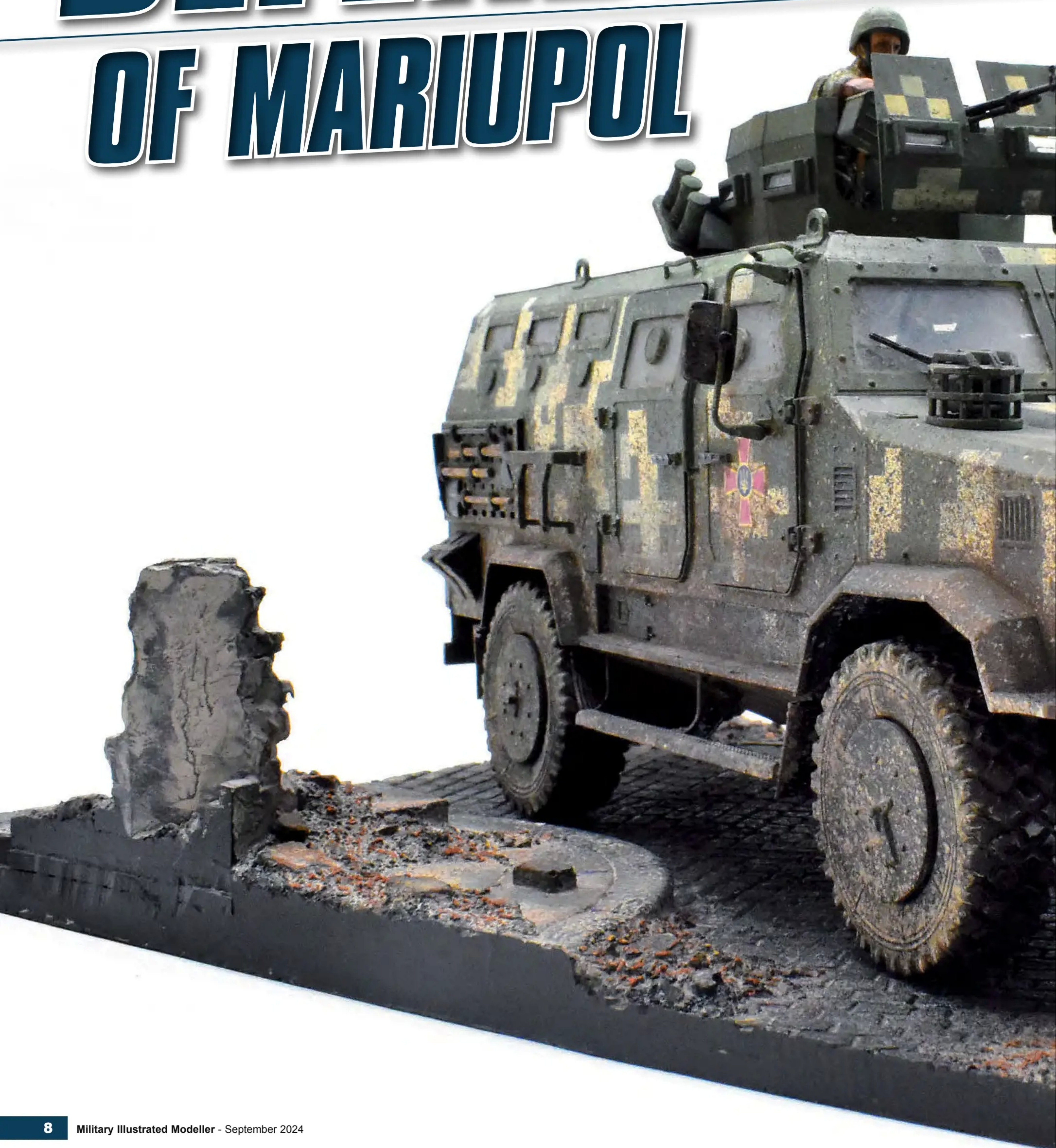
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DEFENDER OF MARIUPOL





The Ukrainian Kozak armoured personnel carrier is one of a series of AFVs that Ukraine produced for their own military and foreign exports. **Zack Sex** tackles one of two of ICM's latest offerings that has seen service and is currently in use with Ukrainian forces in their life and death struggle for Ukrainian freedom

14th April 2022 and in the centre of Mariupol, surviving Ukrainian Marines and members of the Azov brigade fight among the ruins. Azov brigade T64 Bus provide heavy back-up fire as Marine Kozak APCs deliver troops and ammunition to the strong points that are still left. The fighting has been savage and the district of Mariupol has effectively been under siege since the 27th of February, those civilians and military personnel who have not escaped by this date were now trapped.

After late February, Mariupol became a death trap. The fully fledged Russian invasion of Ukraine had been in full swing since February 24th of that year but it was not until April that Denis Pushlin, the head of DNR (one of two pro-Russian renegade republics) announced that DNR and Russian forces had surrounded the city.

Mariupol had been systematically been shelled and bombed by the Russian air forces along with Russian army, artillery and rocket forces. By the end of March the situation was critical, with total chaos for everyone in the city, with no internet, lack of water, no food, and lawlessness everywhere.

The destruction of this once beautiful coastal city was immense. Plumes of acrid smoke rose high above the city and the urban landscape was changed forever.

The Russians and their proxies had not, however, had it all their own way and the Azov brigade along with Ukrainian Marines had fought tooth and nail for their precious city. The defenders have even dragged two old T64 and T-54 tanks down off monument stands to try and use to engage the invaders. ➤

← RENATA HETCHENKO

As ammunition and supplies became scarce, the defenders retreated into the heart of the giant Azovstal steelworks, determined to fight to the last. In the outskirts, civilians hid in the basements of their Soviet-era apartment blocks. Renata Hetchenko didn't have to be told what the Russians were doing to Mariupol, she could hear what was going on. Each day the explosions got closer to her apartment block, by March the 12th and 13th the real hell began as district after district was wiped off the face of the Earth.

Renata, her mother and new born baby had descended into a cold, damp basement with other frightened neighbours as the inevitable onslaught advanced towards them. Renata and her neighbours, who had got used to standard artillery and aerial bomb explosions, felt a tremendous burst which seemed to compress their chests in a way in which was terrifying and entirely new. As they ventured outside they found everything flattened and even blades of grass compressed like accordions. It is believed that Russian units had used thermobaric TOS1 rockets in the area.

During a lull in the fighting, as Russian and DNR forces surrounded the sprawling Avoztal plant and its brave defenders, Renata and her little girl managed to make it out of Mariupol through Russian lines. Later, she was able to meet up with her husband Timothy who had been working at sea when the war started, and both then managed to get to Ireland, which was where my old mate Paul Kunkels comes into this winding tale.

TIM HETCHENKO

Timothy, it turns out, is a model maker as is Paul and the two struck up a conversation in the boat yard where Tim now works. Tim showed Paul a photo of a Ukrainian Gepard model on a Ukrainian model forum and questioned the markings the model's maker had painted on the side of the gun turret. Paul contradicted him and said "I know that fella that built that and he lives five miles down the



The Kozak as received from Tim, windows masked off and doors held in position with masking tape: a fine figure of a patrol vehicle



The ICM Kozak is a fine kit and one of three that ICM offers. Areas such as the road wheels and front bonnet light cage are now available from Chris Meddings, so keep a look out for this set in use in a future article (www.insidethearmour.com)



The Kozak with its first coat Tamiya XF-67 Green. You don't have to look too closely to see the remains of the old masking tape glue on the doors



A rear view of the Kozak with its busy rear door exit and entry area. Having coated the kit in suitable Tamiya greens, it's time to go digital



The spraying of the interior. A standard black worked well as Tim had masked the windows inside and out and it wasn't going to be a big centre of attention as the doors were all closed

The Kozak interior is very nicely handled and in a future Kozak build I will definitely do one with a number of doors open

road from here, you and he would get on especially if ya bring a few beers with ya!". And that's how I got to meet Tim Hetchenko.

After Tim visited a few times and we discussed model making, the state of the Ukrainian War and every day life for Tim's family in particular, I realised the full extent of their life in one small hotel bedroom while trying to hold down a job and do the best for his family. Some people in Ireland have hardened their attitudes towards Ukrainian and other refugees and there has even been a spate of refugee centres and hotels housing migrants that have been burnt down recently. It was over Christmas when we had Tim's family over he asked me if would I paint his recently purchased ICM Kozak 2 for him.

Tim couldn't paint or spray the model in the hotel room with his now two children and had no suitable paints or materials, so I offered him what I have here but he was adamant he wouldn't be able to get around to it. Sure what could I do, but concur... As I said, Tim had built the then-new ICM Kozak along with masking the windows inside and out. He pointed out a camouflage scheme of the Ukrainian Marines that had defended his home town of Mariupol and the rest was up to me. Challenge accepted! Let's get going...

KOZAK-2 STEP 1: CONSTRUCTION

Well, I didn't have to worry about this as Tim had done a fine job of putting his model together, including fixing the interior crew compartment along with masking the inside windows. This was liberating in a way as it allowed me to simply spray the interior in a primer black, peel away the masking tape and tack and get on with the exterior job.

KOZAK-2 STEP 2: PAINTING AND DECALS

I quickly primed the exterior of the kit and lower chassis with Humbrol Black. This was followed with a mix of Tamiya XF-67 NATO Green and Tamiya XF-21 Sky (4:1 mix) which seemed to suit the subject right. Now for my favourite part of the kit, the digital camo decals. These decals are part of a selection provided in the kit and full marks to ICM: buy this kit for the three digital camo decals if nothing else.

It is a fairly involved little task but follow the instructions and you should be fine. One word of caution, the use of decal solution or varnish is necessary as some of the decals will lift around the vehicle's doors etc.

Having completed the spraying, unmasking and decal application on a Sunday afternoon, I sat and stared at the boxy little beast in my cleaned-out work shop, beer in hand... I could stop now and weather it tomorrow or make a dent in it... Oh to hell with it I thought, get on with it! ➔

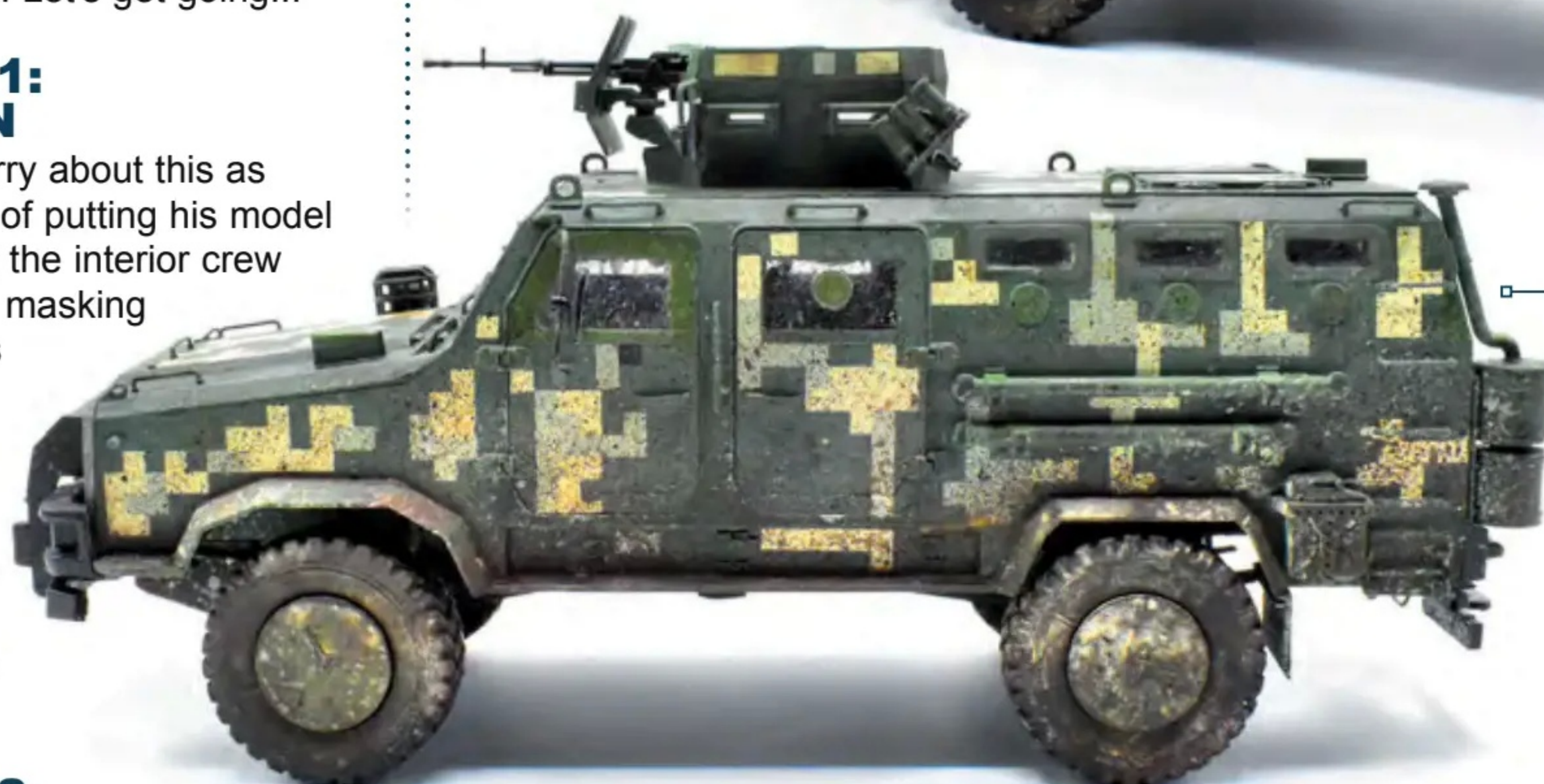


The Kozak with the really fabulous digital camouflage sections added and I can't praise these pieces highly enough. The grey and sand sections add a really sharp edge effect to the camouflage

I was determined to present the Mariupol defender covered in mud, dirt and ash to signify the conditions caused by brutal and heavy bombardment by the invasion



A side view of mud splattered Kozak after racing around Mariupol during the siege and bombardment



A rear three-quarters view of the Ukrainian defender, outnumbered and outgunned but still soldiering on



◀ KOZAK-2 STEP 3: HEAVY WEATHER

This Kozak was going to require some major mud and crud, so to this end I painted on layers of Wilder Pigments Dark Earth, followed up with brush splattering, splashes and with brush flickering. On top of this I applied lamp black oil paint washes along with 6B pencil rubbing. This process was repeated, removed and reapplied until I got the look of a new vehicle, plunged into a urban inferno. It is worth noting halfway through this process I added the light fitting and photo-etched light guards, which I had neglected to add early in the process.

The next part of this project involved the creation of an appropriate diorama or base for the Kozak-2 and to this end, Paul Walsh's All Models place in town must come into the picture. Paul has a great selection of new and old kits along with various new and secondhand accessories. The resin base I picked up from him was ideal for the Ukrainian vignette I had in mind.

The base was produced by SB Models from Cumbria and comes with a small section of vertical wall and some loose plaster bricks. I quickly gave the mini-diorama a blast of grey primer, over which I hand-painted Black Systems 3 Acrylic, the type I use in my art class. I then applied a series of white spirit-based pigment washes around the outskirts of the base, ranging from Mig Productions to Wilder pigments Dark and Light Dirt, and Mud.

I then rubbed orange colouring pencil on the dried mud sections and a series of 'B' and blue colouring pencils on the blackened cobblestones, along with finger-rubbing lamp black oil paint lightly across the surface of some of the cobblestones. In the end I was happy with the colour and tonal contrasts that added greatly to the Kozak-2's composition.

The final act in this little scene was the addition of a Ukrainian Marine from the 36th Separate Brigade, as deployed in Mariupol during the siege in this particular Kozak. I rummaged through my box of figures, arms,

The Kozak on my work bench with a number of ICM's digital decals applied over the spray finish, before pigments and weathering. Of note are doors and roof hatch primed in car spray black



The muddy Kozak after heavy mud splatter has been applied, as one might expect in a city under medieval siege. The rear tool set and choc blocks add a bit of colour variation to the digital composition



The Ukrainian Marine is made up various parts of ICM's British soldiers from their Afghanistan figure set with an AK74 with paper strap added



This chap was primed with Humbrol Acrylic Sand straight out of the can, an old favourite of mine



The Ukrainian Marine took a bit of hand painting but his digital camo pants amongst other things worked out well



Ukraine Marine defender in position! I made sure when I was chopping up this chap that his distorted body would fit into the commander's hatch



The Ukrainian Marine as seen from behind. The digital camo on the flak vest worked out nicely as a result of a small sharp artist's brush. A nice detail would have been to drill out the smoke launchers, but next time...

legs and torsos and in the end chopped up and blended parts from a fairly recent ICM British soldiers in Afghanistan set. The figure had an AK74 and paper strap added and I then painted the figure mainly in acrylics and looked at a few reference shots of modern Ukrainian troops, who wear a real mishmash of uniforms and camo. I seemed to have pulled off the digital camo and was happy with the overall look and pose of the Mariupol defender, plus a figure always added a sense of scale and humanity to a diorama. ➤



← CONCLUSIONS

I enjoyed this little project immensely. A few things could be improved in the kit such as the light fitting on the bonnet of the vehicle and it would probably benefit from a set of resin or 3D-printed wheels, but I believe that Chris Meddings from 'Inside The Armour' is working on that as I write. So, bring on the next Kozak variant or for that matter, ICMs other releases on the way. Now all that remains for to say stay safe, happy modelling and Slava Ukraini. •

MODELSPEC

ICM 1:35 KOZAK-2 UKRAINIAN MRAP-CLASS ARMoured VEHICLE KIT NO.35014

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

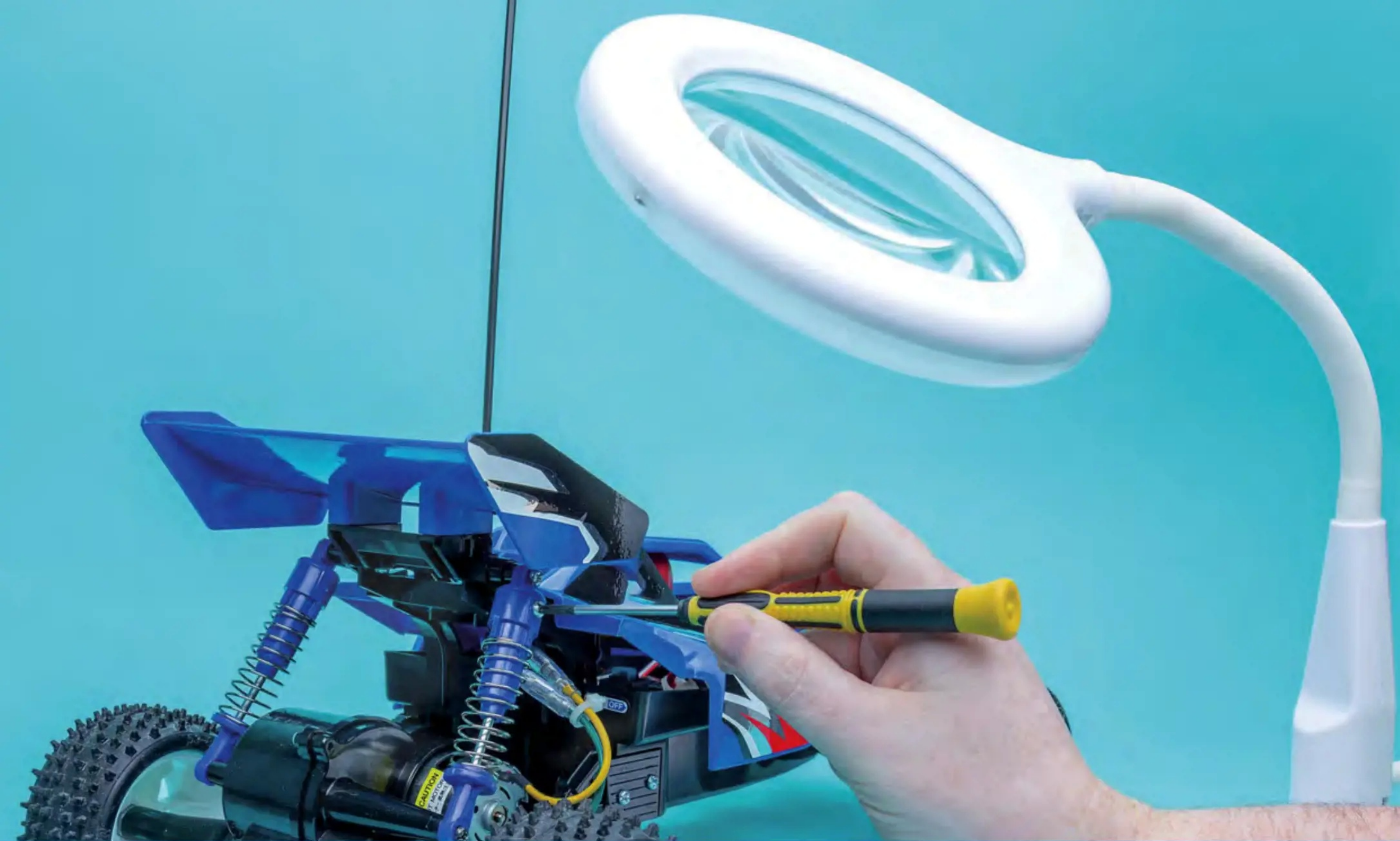
Tamiya Acrylics: XF-67 NATO Green, XF-21 Sky

Availability:

ICM models are widely available from good model shops and online.

www.icm.com.ua www.hannants.co.uk





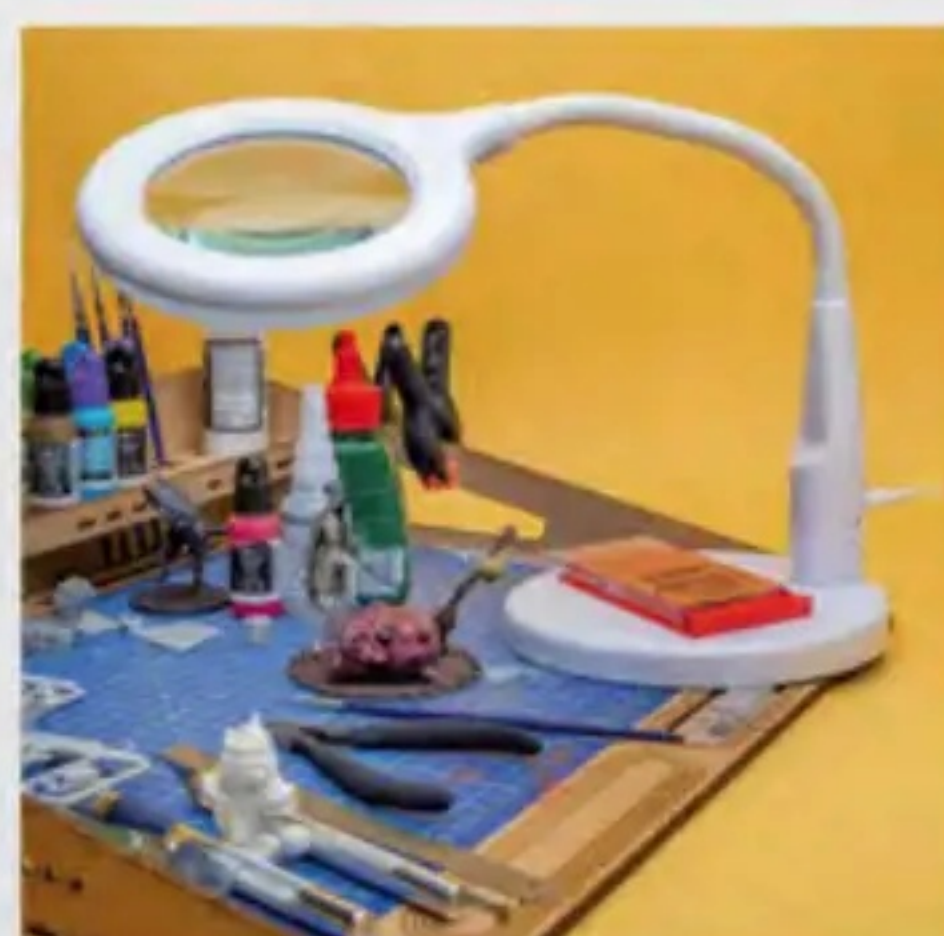
LightCraft

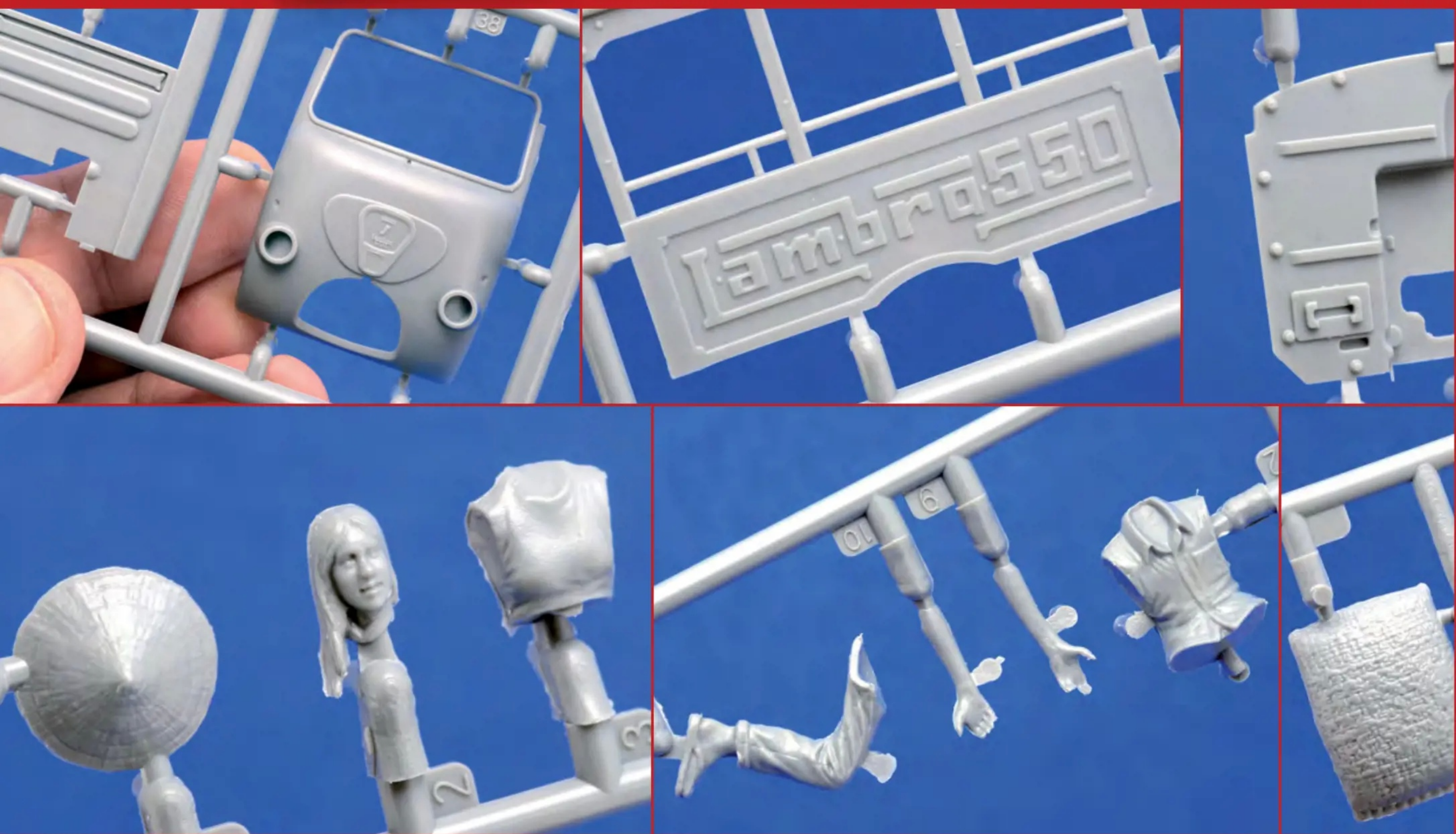
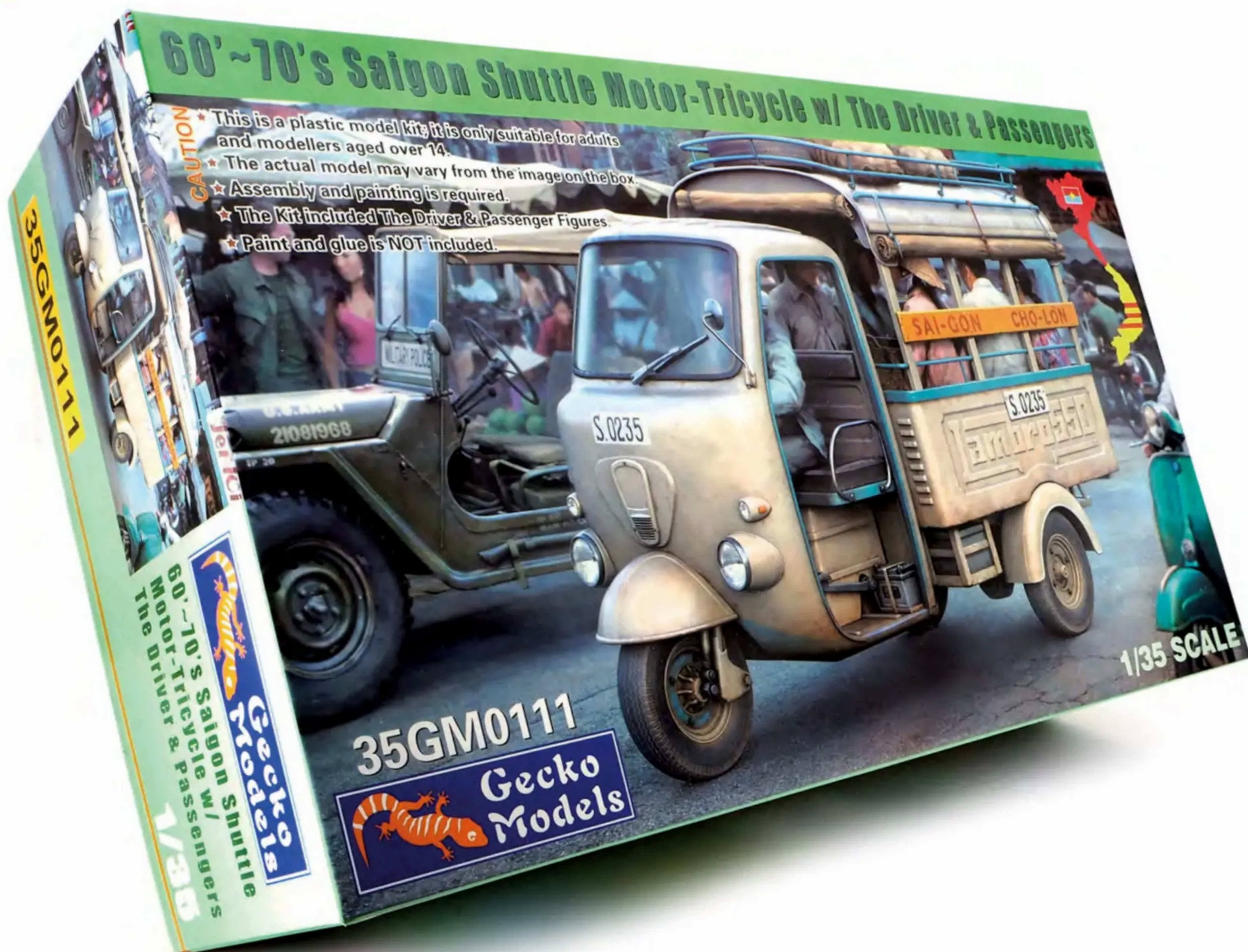
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SAIGON STREET-RUNNER

New from Gecko is a delightful kit of the Lambro 550, a Vietnam War icon

The Lambro 550 – sometimes known as a 'Tuk Tuk' – was a small, three-wheeled vehicle whose 200cc engine and some mechanical underpinnings were based on the legendary Italian Lambretta scooter of Mods 'n Rockers fame in 1960s Britain. When production stopped in Italy in 1967, the rights to manufacture the Lambro passed to India, with many finding their way to Vietnam and this is where it earned its fame as an iconic mini-bus and micro delivery-truck on the streets of Vietnam War-era Saigon. The box-art is testament to this, with a US Army Military Police M151 Mutt in the background and the '550, instantly placing its location and timescale: it could be a scene from a Vietnam War movie and is a diorama in the making. But as well as a handy city run-around, the Lambro had an altogether more serious role, serving as an inconspicuous transporter of weapons and military materiel for the National Liberation Front of South Vietnam.

Gecko Models have become known and loved for choosing off-beat subjects to reproduce in miniature. Their announcement of this kit brought delight to many modellers of

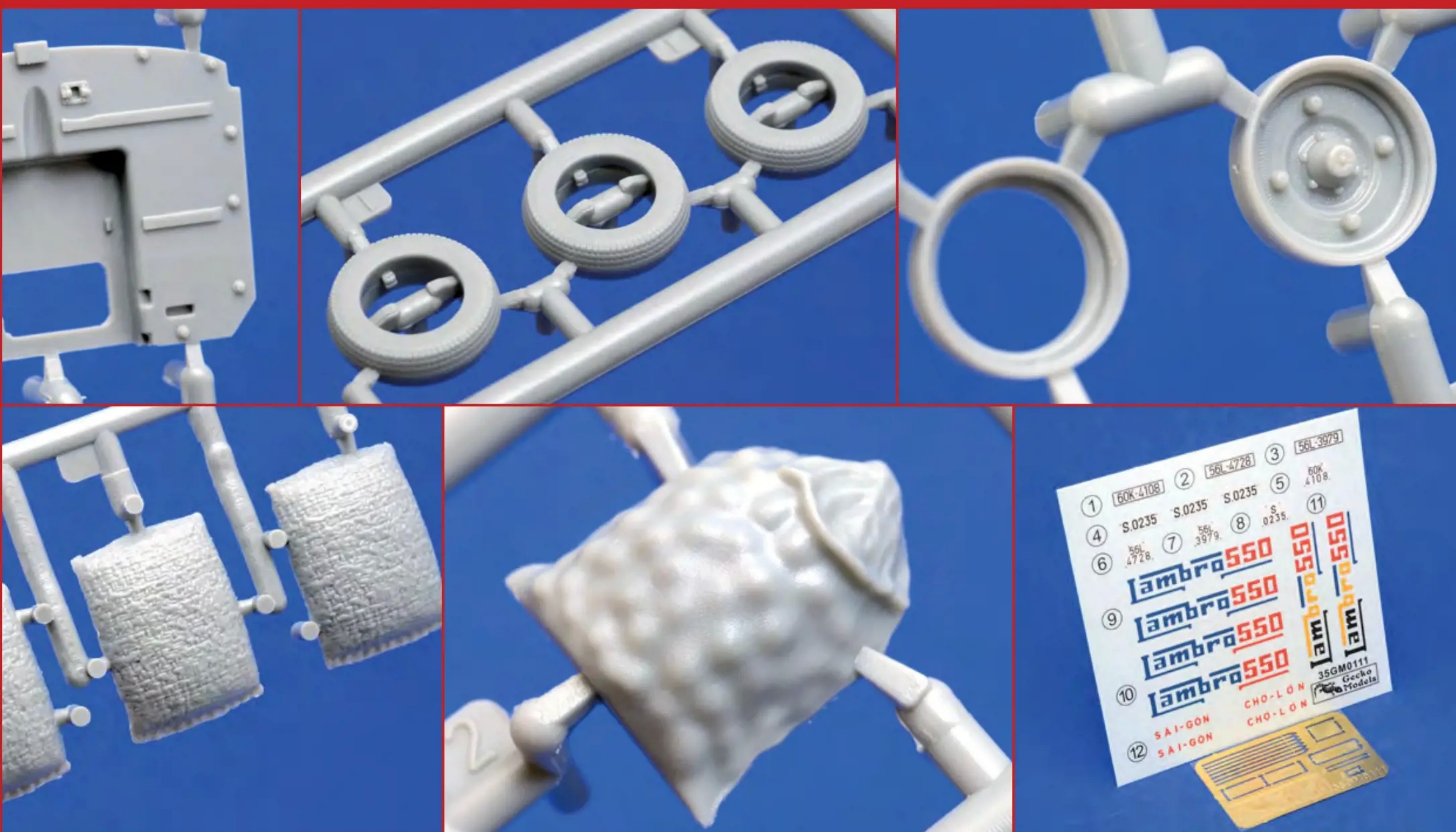
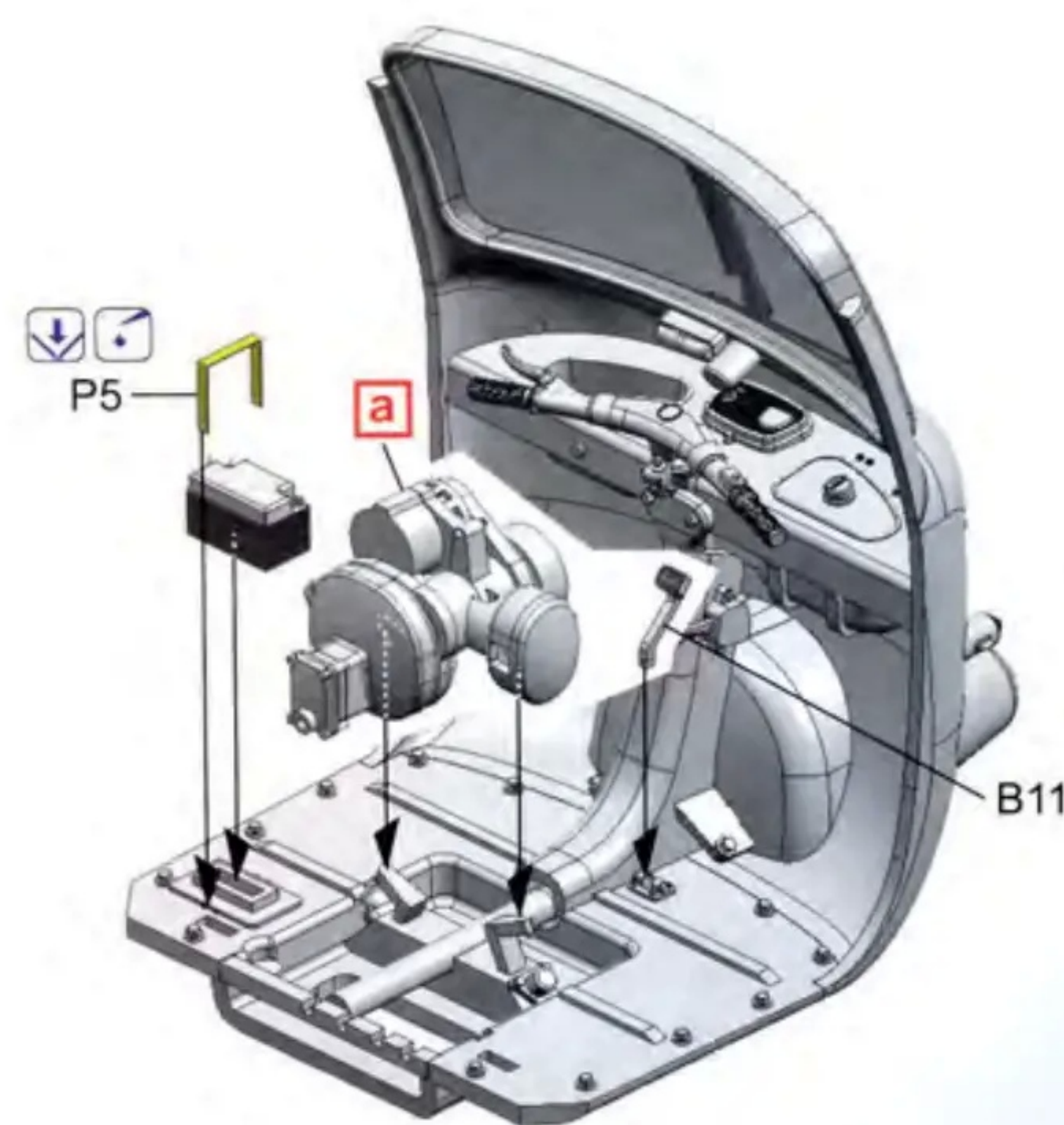
Vietnam War machinery, and that includes us at Military Illustrated Modeller magazine! In the box we have multiple light grey polystyrene sprues that carry the distinctively-shaped components of a Lambro and as ever, Gecko have gone to town, with a detailed depiction of the engine, chassis and suspension, along with beautifully formed body panels that replicate the real machine's steel stampings, incorporating large letters spelling out 'Lambro 550' on their sides.

For such a small vehicle, the kit is incredibly well detailed, with little if anything missing. The big bonus of this model is the inclusion of a driver and four passenger figures, all suitably clad for the setting and appropriately petite in stature. Another bonus is the provision of seven rice sacks (each in two halves for optimal detail), two bags of potatoes and three spare wheels/tyres to place on the roof. Four decal options are included and they are all pleasingly colourful. It's a superb little model and Gecko have done a marvellous job of replicating it in miniature form, just ripe for inclusion within a diorama of a mid-sixties Saigon street scene. •

AVAILABILITY;

Gecko Models products are widely available from good model shops and online.

www.tankmuseumshop.org





D-DAY EXPERIENCE (DEAD MAN'S CORNER MUSEUM)

Just down the hill from the pretty Normandy village of Saint-Côme-du-Mont sits one of the best museums on D-Day in Europe, the 'D-Day Experience'



The heart of this modestly-sized but exemplary museum is a three-story Normandy villa that overlooks the low-lying farmland that surrounds Carentan. The slight elevation made the building an ideal vantage-point for troops wanting to control and defend their environs, which is precisely what Major von der Heydte, commander of the 6th Fallschirmjäger Regiment the 'Green Devils' did on 6th June, 1944, establishing an advanced command post.

For three days, they fought fiercely with American paratroopers of the 101st Airborne Division, famously led by Major Dick Winters who, played by Damian Lewis in the TV mini-series 'Band of Brothers', became a household name.

On 8th June, the Germans withdrew to Carentan and in turn the American Colonel

'Iron Mike' Michaelis established the command post of his unit, the 502nd Parachute Infantry Regiment of the 101st Airborne.

WHY DEADMAN'S CORNER?

The reason for the museum's macabre-sounding name comes from an incident during the ferocious fighting when a US M5A1 light tank was knocked out and sat, unreachable for days, with the dead body of the commander hanging out of the turret. The museum pays tribute to this by positioning an M5A1 in front of the villa, but all is not as it seems: the tank is actually an excellent, full-sized replica of the real thing. It's very well done and it's not until you get up close to it that you realise it is a full-size, mild-steel 'model'.

Inside the building your jaw will drop as you witness the hundreds of genuine wartime

relics that fill the display booths and what is even more incredible is that they are not generic, representational items. The majority of the weapons, helmets, uniforms and myriad small pieces of military kit on show are the actual ones used by the German and US troops, making this place an extraordinary time-capsule and an absolute must-see for anyone fascinated by the Second World War.

Over the next pages is a selection of photos taken a few years back, showing a mere fraction of what's on display. If you are lucky enough to be staying near Carentan in the future, don't miss this museum! •

D-Day Experience

2 Vge de l'Amont,
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www.dday-experience.com/en



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OF GENUINE, WARTIME RELICS..."**



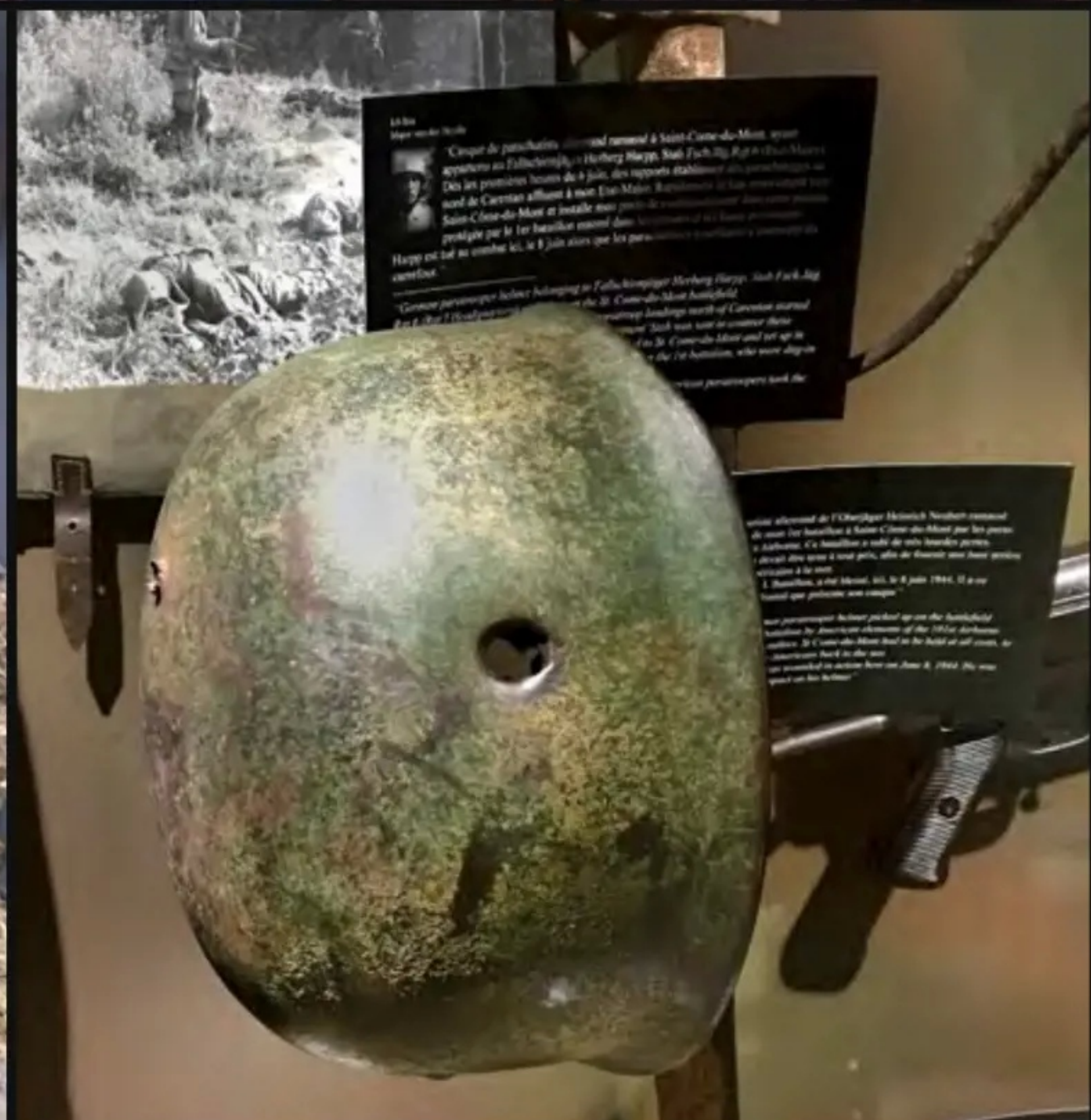


US tank crew's jacket and helmet from the D-Day campaign



The instrument panel from a real US M5A1 light tank, the same type of vehicle that was knocked out in front of the villa





A picture tells a thousand words...





An extremely rare Fallschirmjägergewehr 42 (FG42) is one of the museum's most significant display items



Engraved with the name 'Carentan', this Walther P38 pistol was 'captured' by American parachutist 'Sheppard'



LEVEL 4

Can be finished as either an Ar 240 A-01 or A-02
03798 Arado Ar 240, 1:72

LEVEL 4

Can be finished as either Do335A-1 or Do335A-12
03795 Dornier Do 335 Pfeil, 1:48

LEVEL 4

03803 Airbus A340-300 "Lufthansa" New Livery, 1:144

LEVEL 5

05458 Darwin's Discovery Barque H.M.S. Beagle, 1:96

LEVEL 2

01214 TIE Advanced x1 (Bandai), 1:72

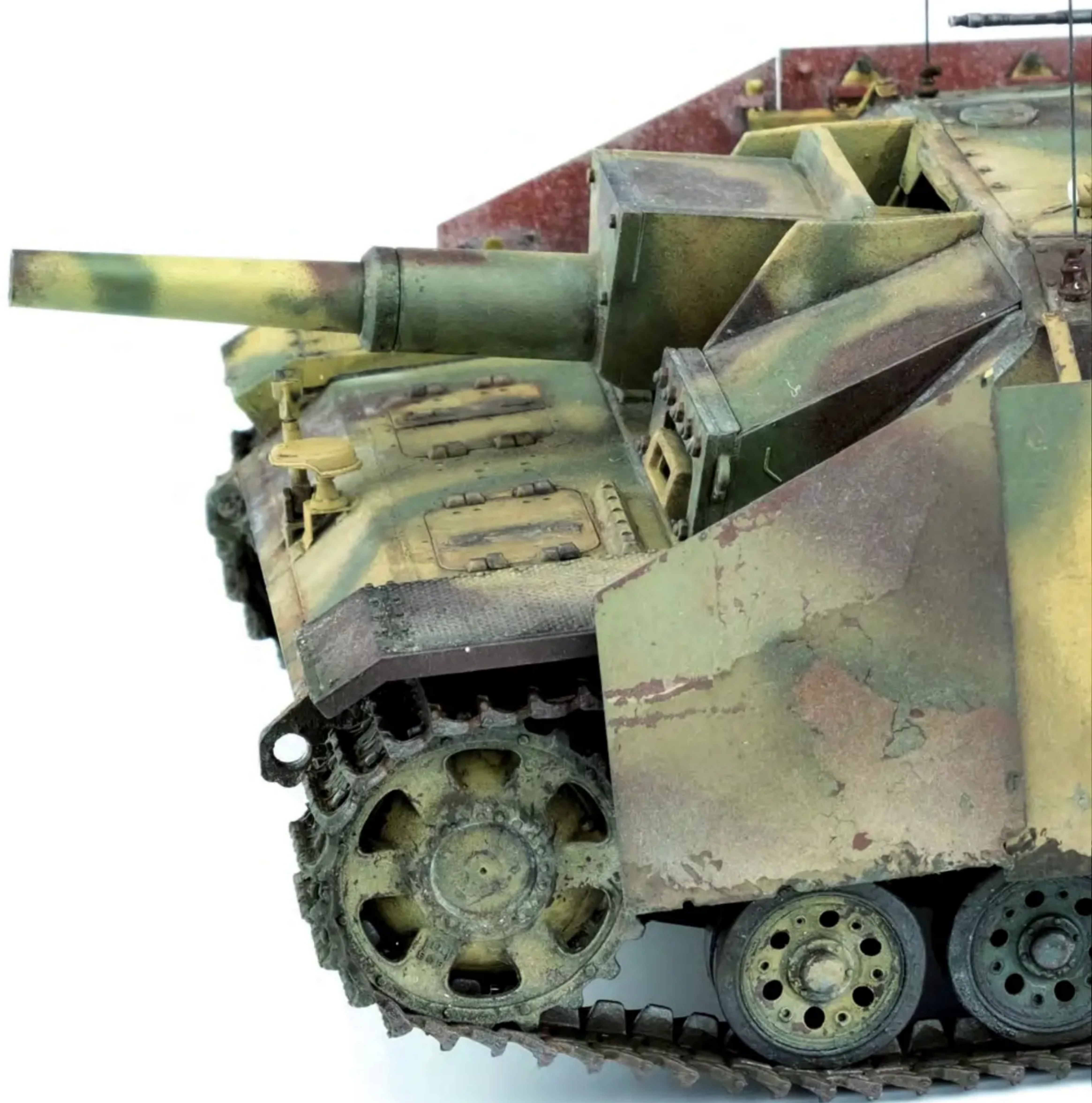
Available from all good model stockists and online from

hobbycraft

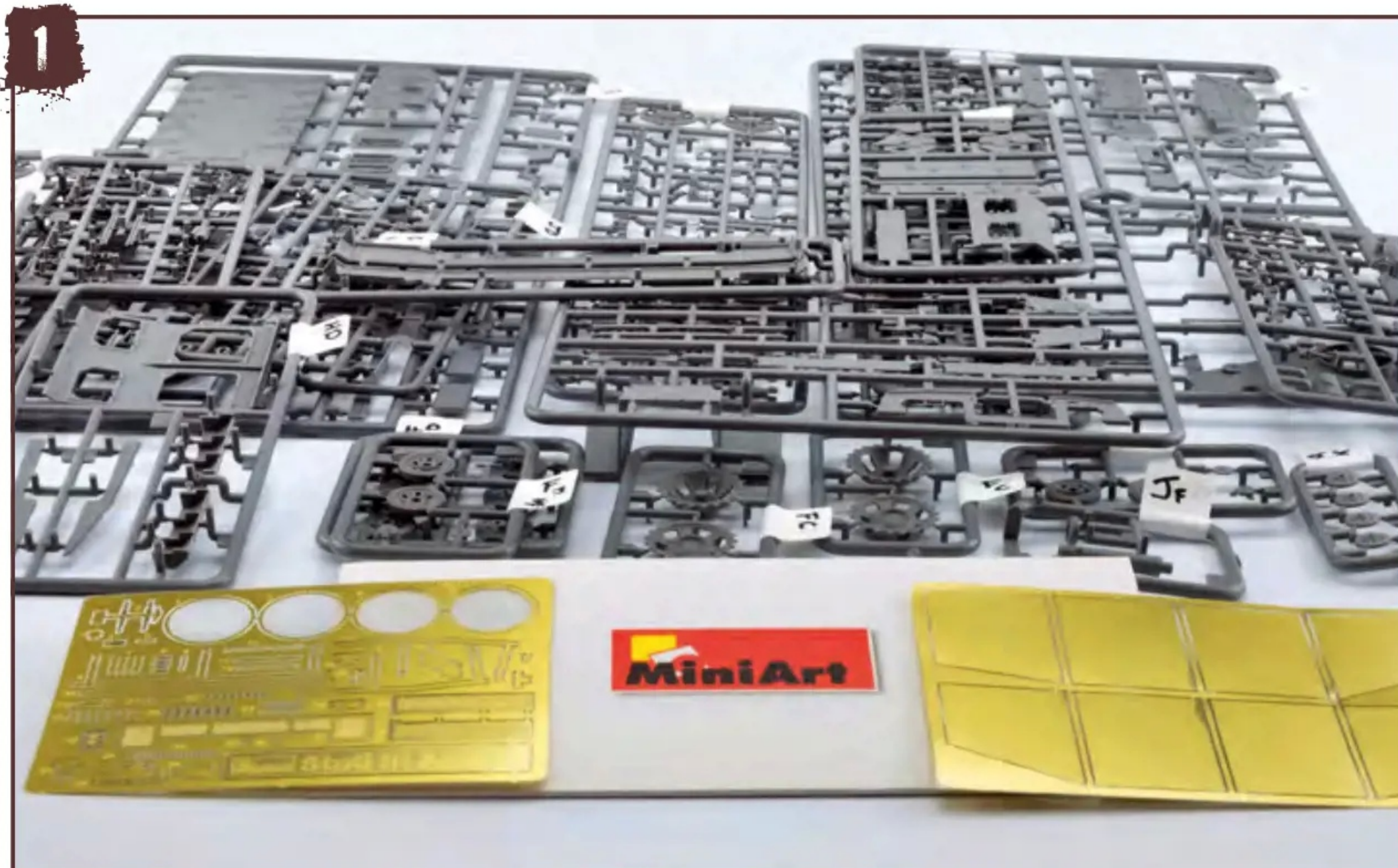
hobbycraft.co.uk/brand/revell

STORM HOWITZER!

Gary Matthews builds his first ever MiniArt kit,
the 1:35 Sturmhaubitze 42



There's a bit of history behind this kit, the Editor and myself. We first met at 'Scale Modelworld' in Telford a few years ago, introduced by Carl Robertshaw, he of 1:32 Dambuster Lancaster diorama fame. I have known Carl for many years, so Marcus and I got talking and I showed him some photos of my recent work, with him suggesting that 'we do something together'. After a move to Scotland, I had no time or space to embark on a model build but forward to 2023 and by then, I had an all-encompassing model room, having converted my garage solely for model making. I attended the Scale Scotland model show in Edinburgh that year, and Marcus was there too. ➤



◀ We got chatting again and I said I'd be happy to start something for him. We came to the decision that I would build my first MiniArt Kit. I had recently sold a few from my personal stash as I thought I would never be able to build them due to talks on modelling forums commenting on high parts-counts and over-engineering. But like all model builders I enjoy a challenge, and you can't get more of a challenging build than a MiniArt kit I thought. A week later a parcel arrived from TMMI's offices in Totternhoe, Bedfordshire, which was ironic because that's where we moved to Scotland from!

In the parcel was a new version of a StuH.42 Ausf.G in all its glory. It was the non-interior version, so at least this gave me a chance to finish it within a reasonable amount of time, and no stress choosing the interior colours which gets people into a frenzy if its not quite right.

As predicted, there were lots of sprues, and with a numbering system I found slightly confusing at first: 'Fk', 'Gc', 'Gd' and so on, instead of the usual 'A', 'B', 'C' (**pic 1**). I had some labels to hand that I use for most kits and found them indispensable for numbering the sprues, making life a lot easier when searching for parts. Another concern was the soft plastic used in MiniArt's kits but I have to say, once I had cut parts from the sprue, whilst being fairly soft compared to other manufacturers, its barely noticeable once I'd started the build.

LET'S GET GOING!

The kit starts with the hull and deck which build up with a sequence much like the real thing. Wonderful engineering from MiniArt, a recurrent theme running through the build. You come quite early to the photo-etched parts whilst the hull is being built and there are some finely moulded PE grills that need to be attached to rear exhaust ports (**pic 2, 3**). Just a quick spot of cyano fixes these in place. I always sand the PE on both sides whilst still attached to the fret which makes gluing and painting a whole lot easier (**pic 4**).

Moving onto the top deck and all was pretty straightforward, with absolutely perfect fit so far. Once the main hull had been completed, it was time for the top half to be assembled and installed. This is where the gun sits of course and there were a fair few small parts that make up this part of the build, again all fitting perfectly with no need to trim or sand.

I fancied a bit of a break from the main portion of the hull, so found myself making a start on the tracks, and whilst there is a plethora of aftermarket these days, I really wanted to use the MiniArt ones. As these were quite a small track, not like a Tiger, they appeared to be quite fiddly and there was flash on some of them, but not others. Thankfully I have the Master Tools track jig, a piece of kit highly recommended for those who want keep their track links straight (**pic 5**).

I worked out that I would need about 105mm of straight track until it started to curl around the idler and drive sprocket. These curved sections would be made up when it was almost complete, so that was 80% of the tracks made and put to one side.

I have been using AK Interactive 3rd Generation Black Primer over the last year or so, and it is quite easy to damage if not



handled with utmost care. I always leave it at least twenty-four hours before I start applying any other colours over it (**pic 6**). By now, all the parts had received this primer.

So with the main hull, the gun carriage and tracks almost complete, it was time for the accompanying accoutrements – tools, extra wheels fitted to the rear, fire extinguishers – to be made and painted individually. I made the tool attachment points from the PE set which was quite fiddly in places (**pics 7, 8**).

BATTERED SCHÜRZEN?

MiniArt reproduce the schürzen in photo-etched brass (**pic 9**) which require assembling with either cyanoacrylate glue, or by soldering, the latter giving a much stronger result. Once they were soldered up (**pic 10**), I battered them around a bit, using a punch and chewing parts of the bottom with pliers, a most enjoyable exercise! (**pic 11**). The schürzen were then coated with Mr Hobby's Metal Primer to achieve a satisfactory grip for the up and coming paint (**pic 12**).

My favourite steps came next – the painting and weathering – when the model comes alive. So where to begin? One must decide early on which scheme/colours to follow, dependant on the four variants offered in the box. My choice was in the Polish campaign February 1945. I had chosen to not have any whitewash on this StuH.42, as I have a couple of white-washed vehicles in my collection, so let's just say this model is depicted 'a week before it was whitewashed in the field'.

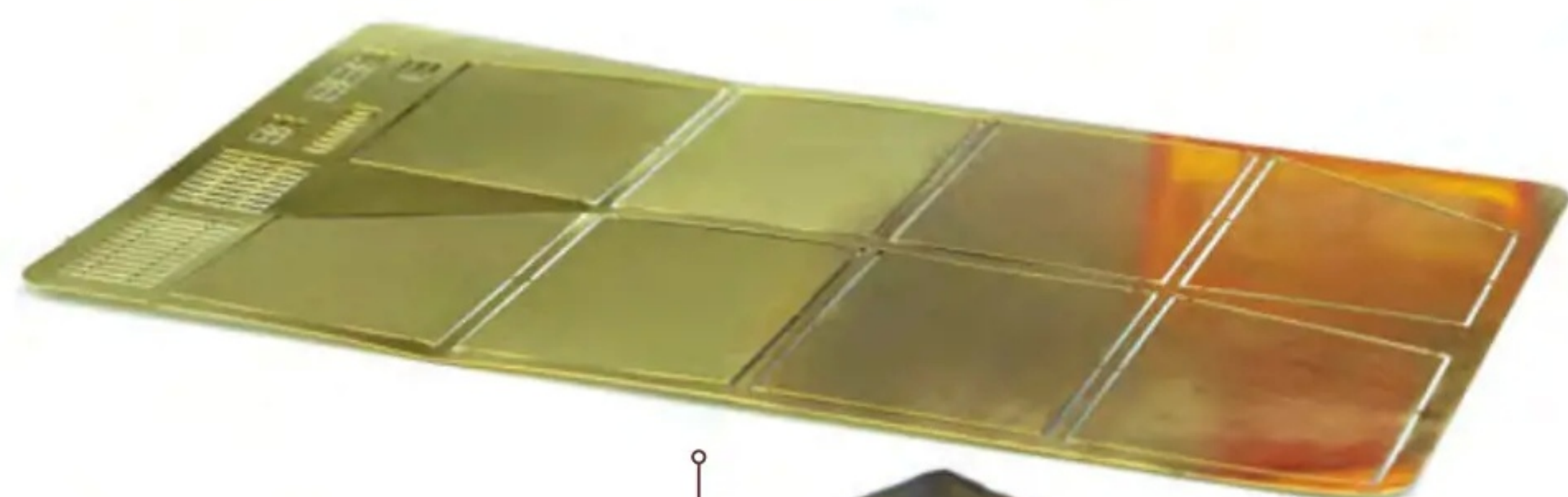
I have used the AK Interactive's wonderful 'Real Colours' since their inception a few years ago, which I find are very good, always giving a lovely finish and are very accurate colour-wise. When they were launched there were some issues, but they are pretty much sorted now, especially for armour modellers. The colours used were Dunkelgelb RC062, Green RC023 and RC068 Red Brown, straight from the jar (**pic 13**). I felt that they did not need any colour adjustment which is always a good thing, as mixing ratios is an art-form when done correctly: just ask Phil Stutcinkas, the founder of the hairspray technique.

Once all the camouflage painting was finished, it was time to do the usual steps to get nearer to the end result. I have recently been using Winsor and Newton Gouache as a panel wash: I used black as I would if using enamels, but really find the Gouache surprisingly good, getting into every nook and cranny, and easy to remove without leaving traces (**pic 14**).

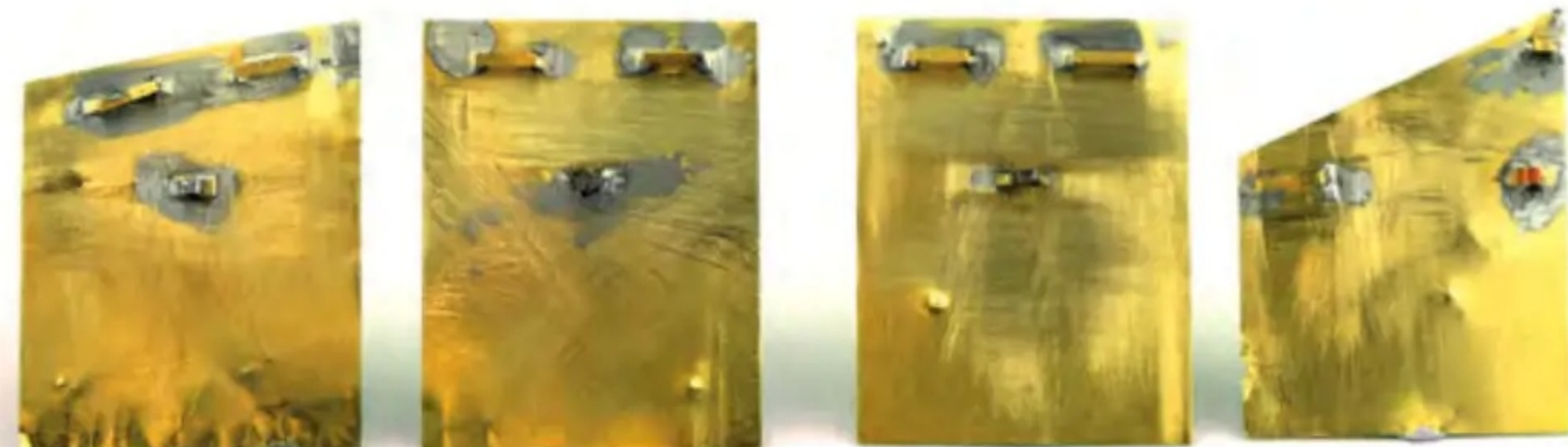
I like to use oils as my main choice of weathering. I think this stems back to Mike Rinaldi's 'Tank Art' books which I took great inspiration from over the years, adopting his process really, all done in layers. Once one has mastered the use of oils, there is nothing else to touch them in my opinion. They have a host of uses, from applying the paint in a near-solid form, to almost a ninety-nine percent liquid (**pic 15**).

The oils used were from the Abteilung52 range: 003 Dust, 007 Raw Umber, 006 Burnt Umber and 130 Dark Mud. I'm lucky enough to own most of the range now and they will probably last me until I finally finish my last tank model, whenever that may be! ➤

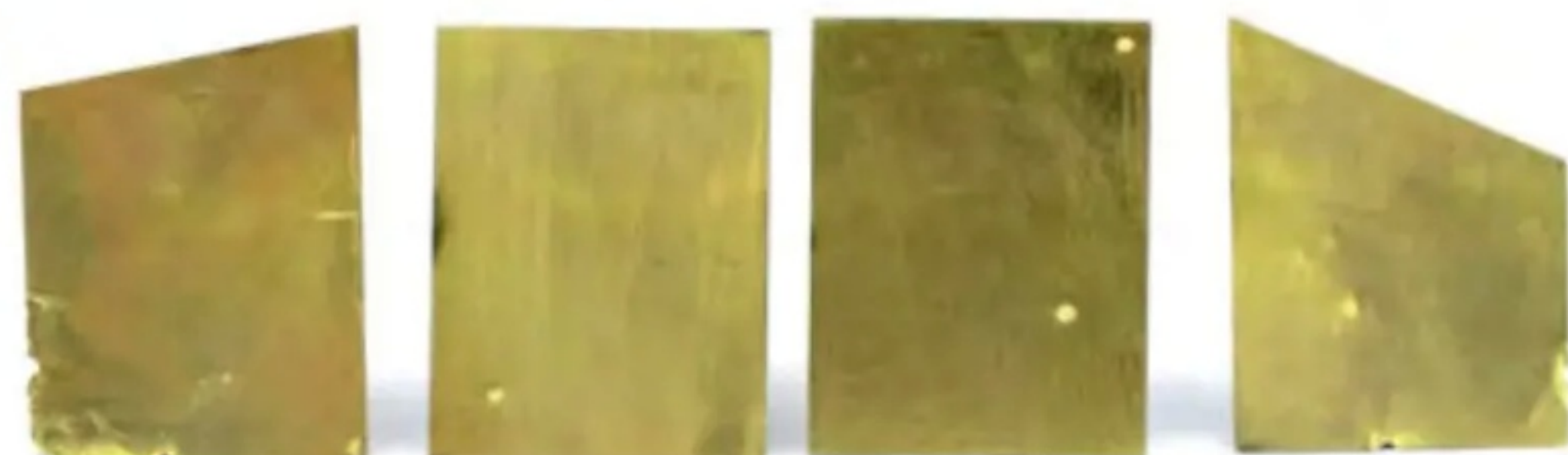




9



10



12

11



13



14

15



16



PREPARING THE WHEELS

Once the roadwheels, drive-sprockets and idlers were first assembled and a mini-drill fitted with a cutting bit was then used to impart some wear and tear to the tyres, which were solid rubber on the real vehicle. Finally, the parts were painted, weathering and installed on the model.





◀ I didn't want this model to look too dirty, even though I added a bit of caked-on mud on the track guards at the rear and front sponson. Light use in the field, shall we say. I used the AK Interactive Terrains 'Muddy Ground' from their Diorama Series, applying a very small amount from the container, for just a subtle hint of mud build-up (**pic 16**).

FINAL STAGES

All that was left to do was to glue on all the small parts, tools extinguishers, etc., and once these were done, the schürzen were fitted

in the configuration that I wanted, and that basically was the finished model! What an enjoyable build from start to finish.

I'm highly impressed with the engineering, fit of parts and the sheer quality of my first MiniArt kit. Yes there was a high parts-count, but would you get the same amount of detail if there wasn't... A litmus test for me after I build a kit is the question, "would I build another one?" And the answer here is "one-hundred percent yes!" I'm a MiniArt convert - Marcus, have you got another for me please? •

MODELSPEC

MINIART 1:35 STUH.42 LATE PRODUCTION KIT NO.35355

Materials:

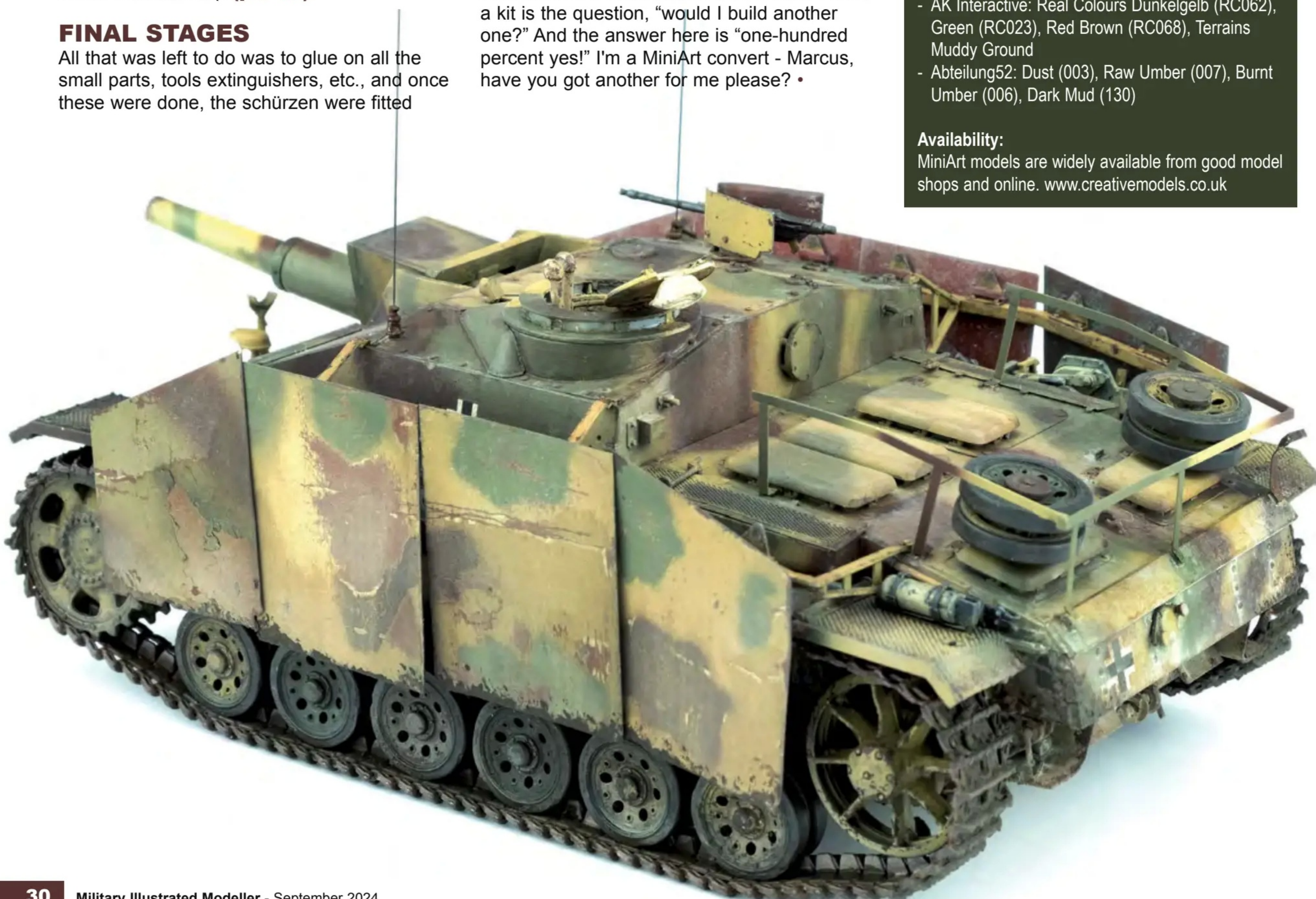
Injection-moulded polystyrene, waterslide decals

Paints and materials used:

- AK Interactive: Real Colours Dunkelgelb (RC062), Green (RC023), Red Brown (RC068), Terrains Muddy Ground
- Abteilung52: Dust (003), Raw Umber (007), Burnt Umber (006), Dark Mud (130)

Availability:

MiniArt models are widely available from good model shops and online. www.creativemodels.co.uk



**NEW
MOULD****1:35**

AUSTIN K2/Y AMBULANCE



AUSTIN K2/Y AMBULANCE
30 Corps, Motor Ambulance Convoy, Royal Army Service Corps,
North West Europe, 1944.



AUSTIN K2/Y AMBULANCE
British Army, North Africa, 1940.



AUSTIN K2/Y AMBULANCE
British Army, Alexandria, Egypt, 1942.



AUSTIN K2/Y AMBULANCE
Auxiliary Territorial Service, England, 1944.

Length 178mm Width 68mm Pieces 146

A1375 AUSTIN K2/Y AMBULANCE

One of the most famous vehicles of its type, the Austin K2/Y Ambulance was used extensively by British and Commonwealth forces throughout WWII, both in the combat zones of the world and on the home front. Built around the chassis of the Austin K30 light truck, the casualty compartment was developed in conjunction with the Royal Army Medical Corps and therefore proved to be highly functional. Able to carry either four stretcher cases or ten seated casualties, one of the main reasons why the K2/Y was so successful was because it was so rugged and reliable, requiring only a minimum of maintenance - an ambulance should always be ready when you need it.

The rear cabin was typically constructed of painted canvas on a timber frame, with the highly visible red cross on a white disk positioned prominently on all sides to hopefully ensure the vehicles occupants didn't come under fire.



1:35 AUSTIN K2/Y AMBULANCE

Special Features Include:

- PHOTO-ETCHED PARTS
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Start as you mean to finish

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HOBBIES**
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FEELING BURNT-OUT

An American soldier inspects railway wagons loaded with DEMAG Sd.Kfz.10/4 half-tracks. This variant was equipped with the 2cm FlaK30 anti-aircraft gun: in the background behind the soldier we can observe other similar vehicles with the guns' ammunition storage boxes on their side-panels. The box lids are open, presumably from the blast of exploding rounds as the train burnt. Diorama anyone? •

Photo: Regional Council of Lower Normandy/National Archives USA



FADE TO GREY:

PZ.I AUSF F GETS A MAKEOVER

Jaffe Lam re-paints and re-weatheres one of his older builds, proving you can breath life into a model with modern techniques!



The old Pz.Kpfw.I Ausf.F model tank before being repainted



In 1938, General von Brauchitsch established new requirements for offensive power of the German army. Several versions of Pz.Kpfw.I were further developed focusing on the heaviest armour possible within 18-ton weight limit imposed by portable engineer bridges. One of them, named Pz.Kpfw.I Ausf.F (Versuchs-Serie VK18.01) was created only for driving trials, not for battle. It has a drive sprocket with thirteen teeth to match the pitch of the Kgs 61/500/160 tracks, lower track guards, and a wider overlapping rim on the side escape hatches. It still had a crew of two: gunner/commander and driver/radio operator and armament of two 7.92mm MG34.

The Pz.Kpfw.I Ausf.F released by Hobbyboss was an early version which was created for driving trials. I built this kit over a decade ago and it was basically an out-of-the-box build, and this is my first attempt at a repaint job. The only colour scheme available for this early war vehicle was German Grey, which in retrospect is a bit too light, but that's a common approach for modellers to deal with a dark grey vehicle for the sake of pin-wash and shading.

The German Grey, RAL7021 in reality, is very dark and dull. To this end, I decided to give it a new look and went for a close match in scale to this tone while keeping it an interesting-looking model. I didn't strip off the original paint as I believed that the paint remover would more or less melt the plastic and make things worse. I just mixed a new base coat from a variety of Tamiya paints, namely XF-18 Medium Blue, XF-50 Field Blue and XF-63 German Grey. The new paint coat did fine and all tank's details were still well defined. I then moved on with some shading by adding Tamiya XF-63 German Grey and XF-1 Black to the base paint. Highlights were achieved with just adding XF-2 Flat White to the base mix.

The raised details were accentuated using lighter shade of Vallejo grey acrylics. The on-vehicle tools were also repainted with acrylics. I then applied some fading and tonal richness using the oil-dot technique. Various oil paints were applied as small dots on the surface and were then blended with a brush, barely moistened with enamel thinner. This technique works great on vertical and slanted surfaces as the vertical brush strokes create subtle worn and appealing effect. By placing more lighter colours (white, buff & light blue) on the upper part of the surface and more darker ones (sepia, raw umber & burnt umber) on the lower, interesting 3D effects can be achieved. ➔



A blend of Tamiya XF-18 Medium Blue, XF-50 Field Blue and XF-63 German Grey was used for the new base paint. I didn't strip off the original paint coat as the paint remover could eat into the model's plastic surface. In fact, the new paint coat was fine and didn't cover the details of the model

Shadows and highlights were applied by adding Tamiya XF-63 German Grey with XF-1 Black and XF-2 Flat White respectively. A brand new paint coat for the model was complete. Note the original equipment and tools were still in their old shades



Details were picked out using brighter shade of grey acrylic. These exaggerated highlights would be undermined by the upcoming weathering

By using a Tamiya Pro II fine brush, the onboard tools were repainted with Vallejo acrylics

◀ AN ATTRACTIVE GERMAN GREY?

With all 'oil rendering' complete, the model was set aside to dry for several days. I then applied some Vallejo acrylic general washes across the whole model. The goal was to unify the oil-treated look and tone down the colour, keeping it a dark but attractive German grey. Next I drew added micro paint chipping effects. Since this vehicle had not been engaged in the war but just trial runs, the setting is that of a relatively new tank. I took the 'less is more' approach and applied superficial scratches mainly on the protruding edges.

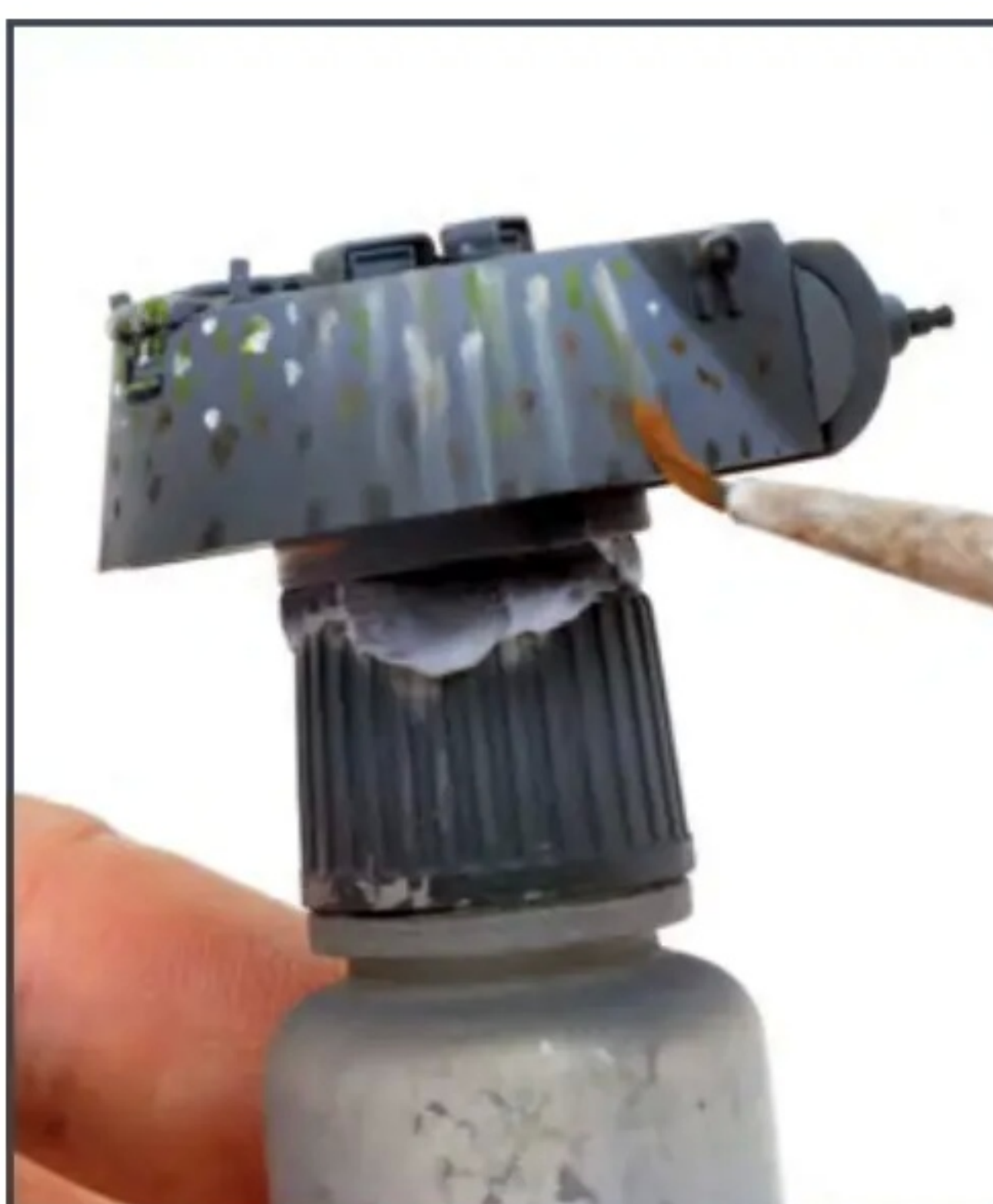
To achieve this effect, I used a sponge to

apply a small amount of Vallejo Field Blue and Deck Tan acrylic. Rust chips were kept to a minimum for this treatment. You may be wondering why the important step, the pin-wash, has still not been applied. In fact, a dark pin-wash on a true dark grey vehicle will not be noticeable. Don't worry, the dust and dirt take on the role. I used AK Acrylic Mud on the wheels, focusing mainly on the rims and hubs. The mud on the tracks was applied in a similar manner, with some dry vegetation added while the mud was still wet. The preliminary colour for the mud at the lower hull was AK Dust & Dirt Deposits.

This enamel has some tiny speckles that provide a nice texture for dust and dirt. The same enamel was also used on the fenders and upper hull. It was then feathered to create a general dusty surface. For vertical and sloping surfaces, the dust enamel was brushed away with vertical strokes to form some streaks. The kit provides a jack at the left rear fender, however, for some reasons I lost it and decided to replace it with some equipment. I added a resin wooden box to the fender and covered it with a tarp made of two part epoxy. For a simple and monotonic tank, this colourful additional feature was crucial. ➤



To enhance tonal richness and fading effects I used the oil-dot technique. Tiny dots of various oil paint were painted on the surface. They were then brushed down in vertical strokes to create subtle worn effect which is very obvious for vertical and inclined surfaces

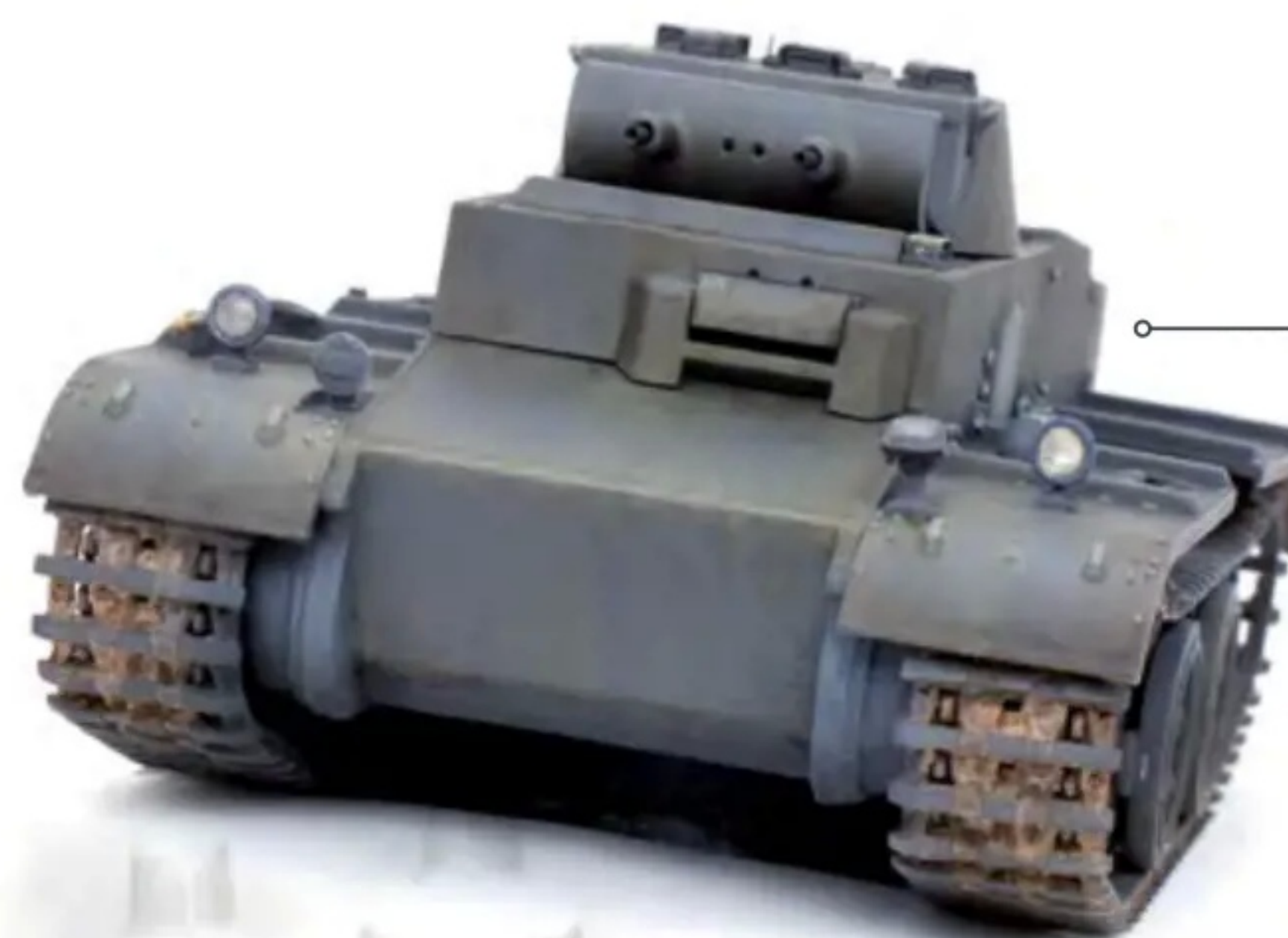


The light modulation effect at the conical turret can be achieved with sparingly placement of light and dark oil colours, loading more light shades at the top and dark at the bottom





After oil rendering, the model was left to dry for three days. Some general acrylic washes were applied to the whole surface for blending an overall tone



The model was now ready for some paint chips. The original front lights were retained which were infilled with aluminium foil for the reflective interior



I added some superficial chips here and there mainly focus on the protruding areas



I wanted the lower hull to have a heavy build-up of dark lumpy mud. To this end, AK Interactive acrylic mud was applied at the road wheels and built up at the rim and wheel hubs



The tracks were also treated with acrylic mud and some dry vegetation was added while the mud was still wet



The preliminary colour for the mud at the lower hull was applied using AK Dust & Dirt Deposits. This enamel has some tiny speckles which gives a nice texture for dust and mud



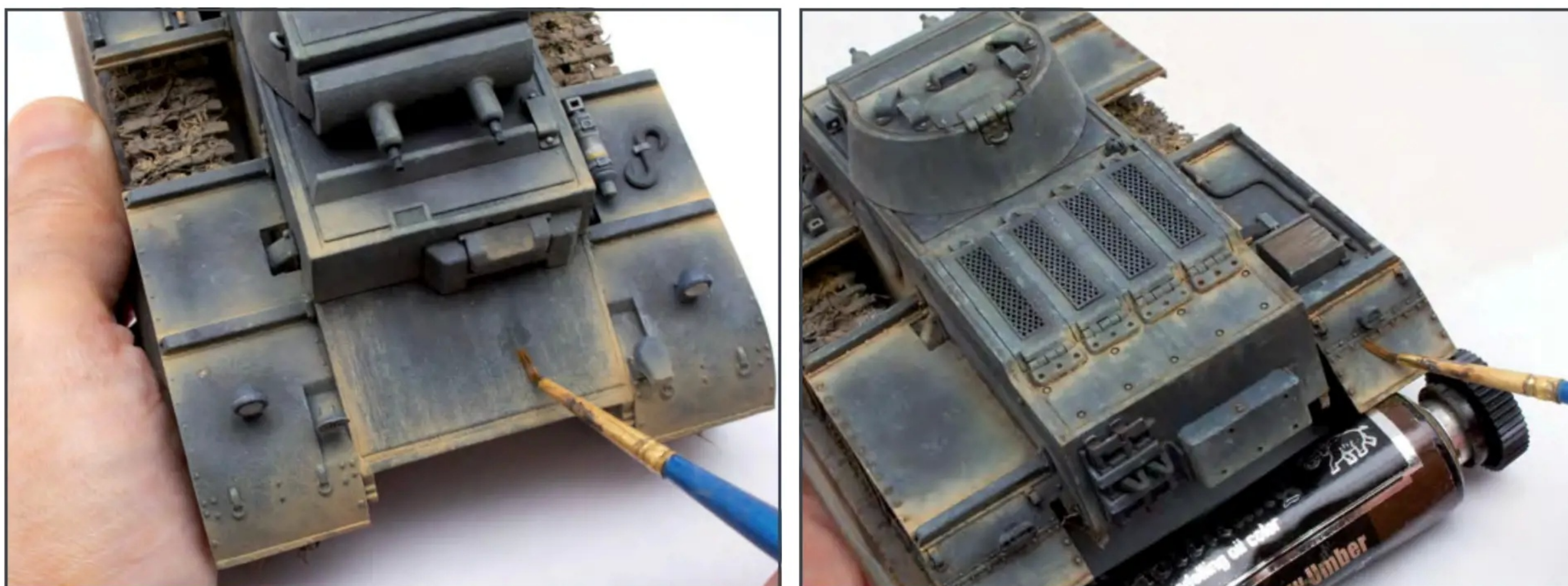
The enamel was applied at the fenders and upper hull. It was feathered with an old brush, creating a characteristic effect of dust



For vertical and inclined surfaces, streaking was easily created by brushing away the enamel using brush moistened with enamel thinner through vertical brush strokes



To add some visual interest and break the monotone of the vehicle, I placed some equipment, a resin carton box with a worn cloth made from two-part epoxy on the fender



More enamel dust was applied and brushed away. Dark brown pin-wash was applied to accentuate all raised details such as bolts and rivets



Various oil paints were applied to different areas and then subtly blended. The transparency of oil helps create tonal richness and dirt spots on dust

I added different dust tones at the pre-dusted areas. The turret usually got less dust than the hull to distinguish its location of less crew traffic

For the fenders, dust and mud can help to define its profile. More was built up at the recessed areas of the fender structure. The gradual change of mud tone creates a nice contrast with the tank's German grey colour



At the deepest crevices, AK Interactive Fresh Mud was applied. This enamel has got a satin finish which together with its dark brown tone replicated wet mud with surplus water content

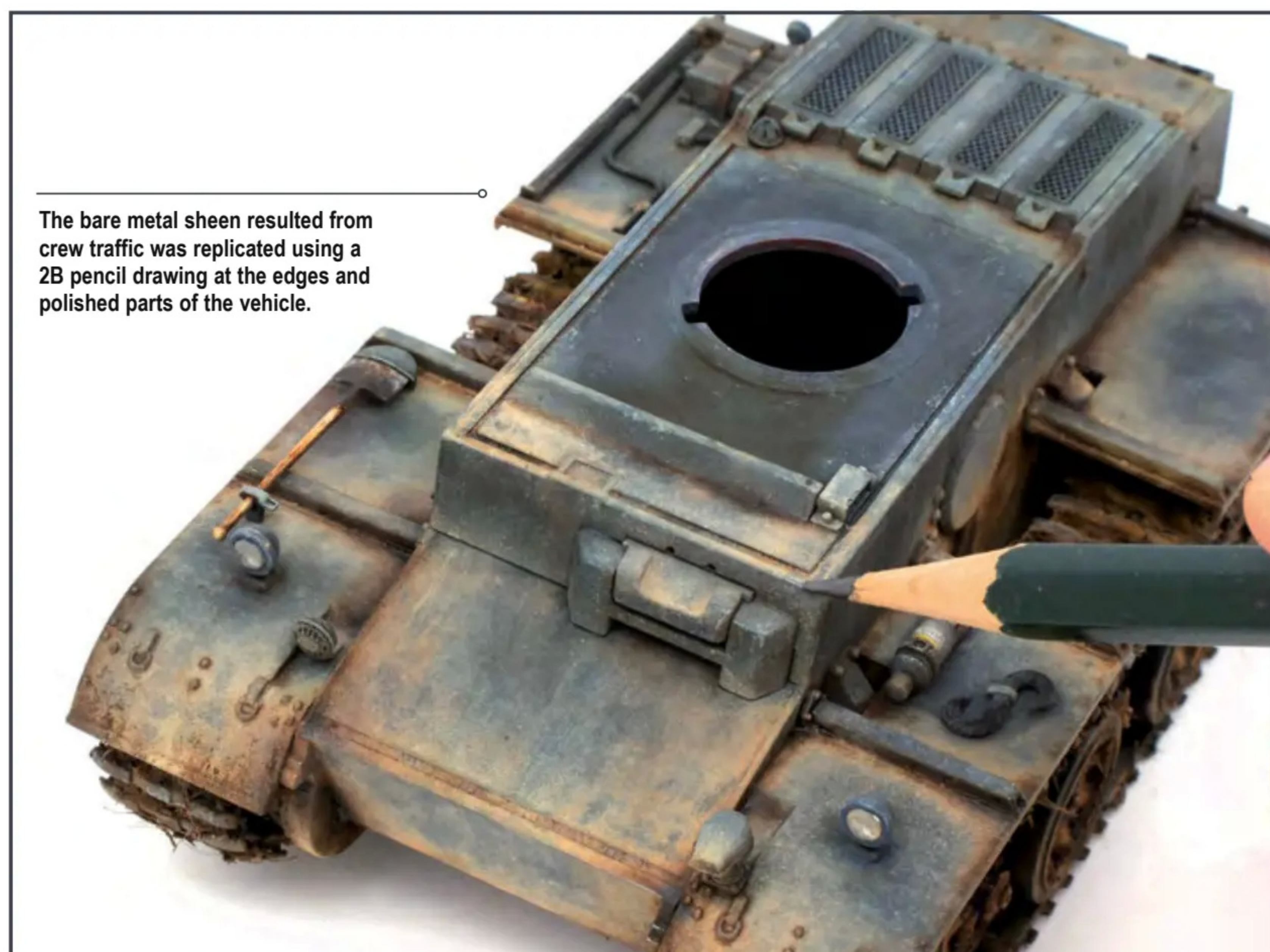
Engine oil was applied to the suspension such as the road wheel hubs

For application of enamel, apart from its colour, we should also pay attention to the glossiness of the paint. In this example, the earth effects and dark mud are matt, while the fresh mud is satin implying the mud is with surplus water content. These are the sequence of applications noteworthy which brings the earth look to life.

← PIN-WASH TIME

Once the dust enamel paint was dry, I switched back to the tank and applied a pin-wash to bring out all the prominent details. Meanwhile, I added differing oil paints to the dust for more colour. Dust and dirt can help to define the profile of the tank. More dust and mud was built up at the recesses and corners of the fender structure. The gradient of mud tones contrasts well with the German grey of the tank. When using enamels to mimic mud, we should also note the glossiness of the paint.

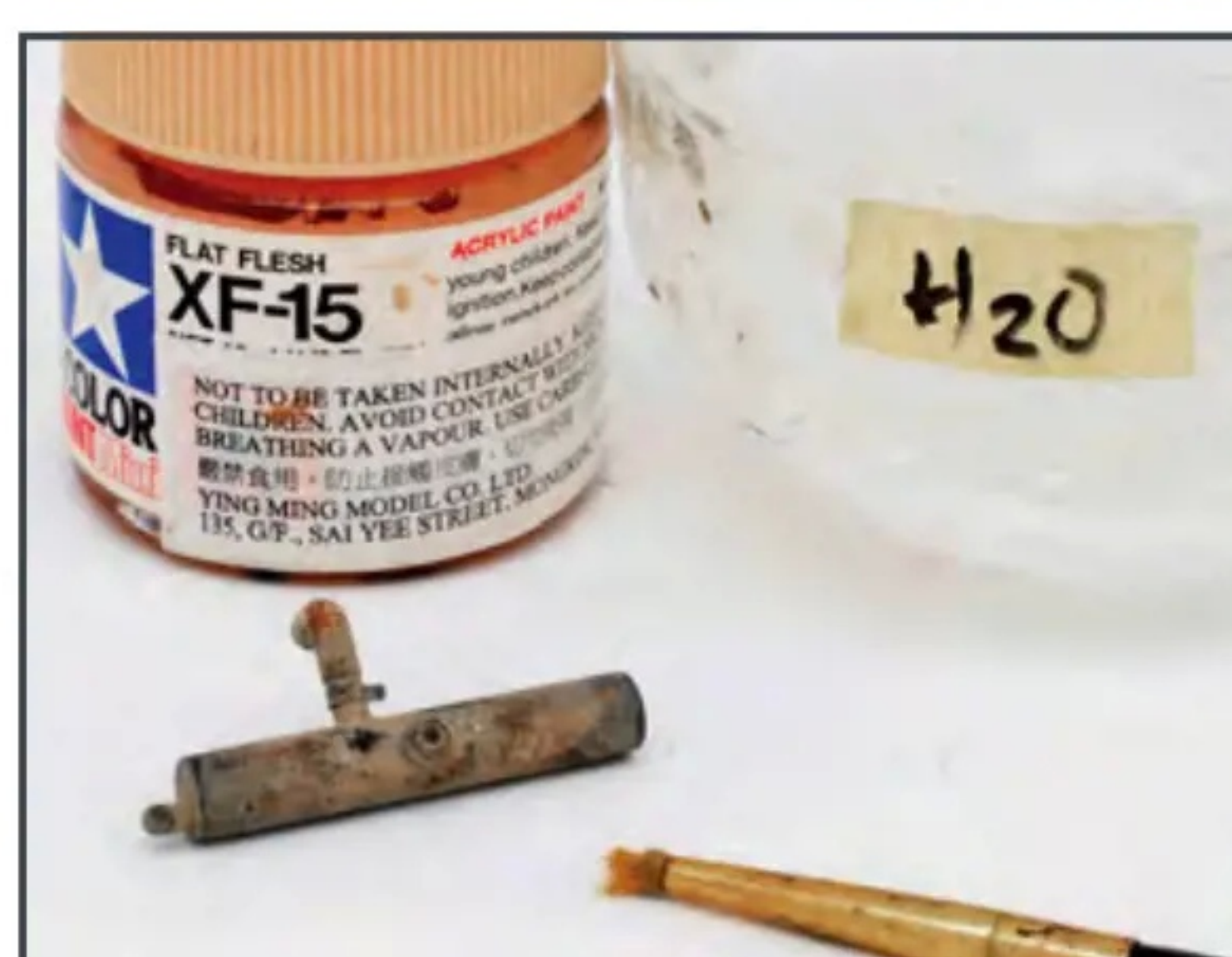
For instance, For example, fresh mud has a satin finish, and its dark brown hue replicates the surface of mud that contains excess moisture that often gets trapped in recesses and corners. These are noteworthy layerings of mud that bring the earth effect to life. Final weathering included the installation of a rear exhaust muffler painted in different shades of flesh and rust tones targeting areas affected by various thermal effects. Handles and well-used spots were 'metalized' with a 2B pencil. ➔



The bare metal sheen resulted from crew traffic was replicated using a 2B pencil drawing at the edges and polished parts of the vehicle.



The repaint of the exhaust started with sponge application of acrylic rust speckles



Two coats of hairspray were misted on, then Tamiya XF-15 Flat Flesh was applied, which was scrubbed away using an old brush dampened with water to reveal some of the rust tones underneath



Layers of colour-wash were applied using various rust and flesh oil paints with different intensities



Speckles of rust were further sponged on using acrylic rust shades and various pigments were adhered while oil paint was sticky



The muffler was in place creating a nice contrast with the vehicle panzer grey colour



The mesh above the rear engine deck was subjected to high temperature and prone to rust. This was mimicked using acrylic rust tones speckles applied with sponge. With the masking tapes removed, the rust meshes popped with the surrounding panzer grey

← CONCLUSION

This was my second attempt of painting the German Grey colour on the same model and I really enjoyed working on this 'old' kit and gained some experience along the way. My goal was to create a more realistic, closer dark gray tone for RAL7021 while still keeping the vehicle appealing to look at. Mud is a big chapter for weathering. The challenge of this project was to create authentic dust effects that would be characteristic and subtly contrasting with the vehicle's base colour. It was fun to express the mud effect by implementing overlapping layers with different intensities and gloss levels. And a dull German Grey vehicle can act as a perfect background for the mud to do its fantastic rendering work. •

The old figure by Evolution Miniatures. Instead of repainting, the highlights and shadows were enhanced with acrylics. A few oil washes were applied to increase depth and the figure was complete



MODELSPEC

HOBBYBOSS 1:35 GERMAN PZ.KPFW.I AUSF.F (VK 18.01) EARLY KIT NO.83804

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

Tamiya Acrylics: XF-18 Medium Blue, XF-50 Field Blue, XF-63 German Grey, XF-63 German Grey, XF-1 Black, XF-2 Flat White

Availability:

Hobbyboss models are widely available from good model shops and online. www.creativemodels.co.uk



NEW

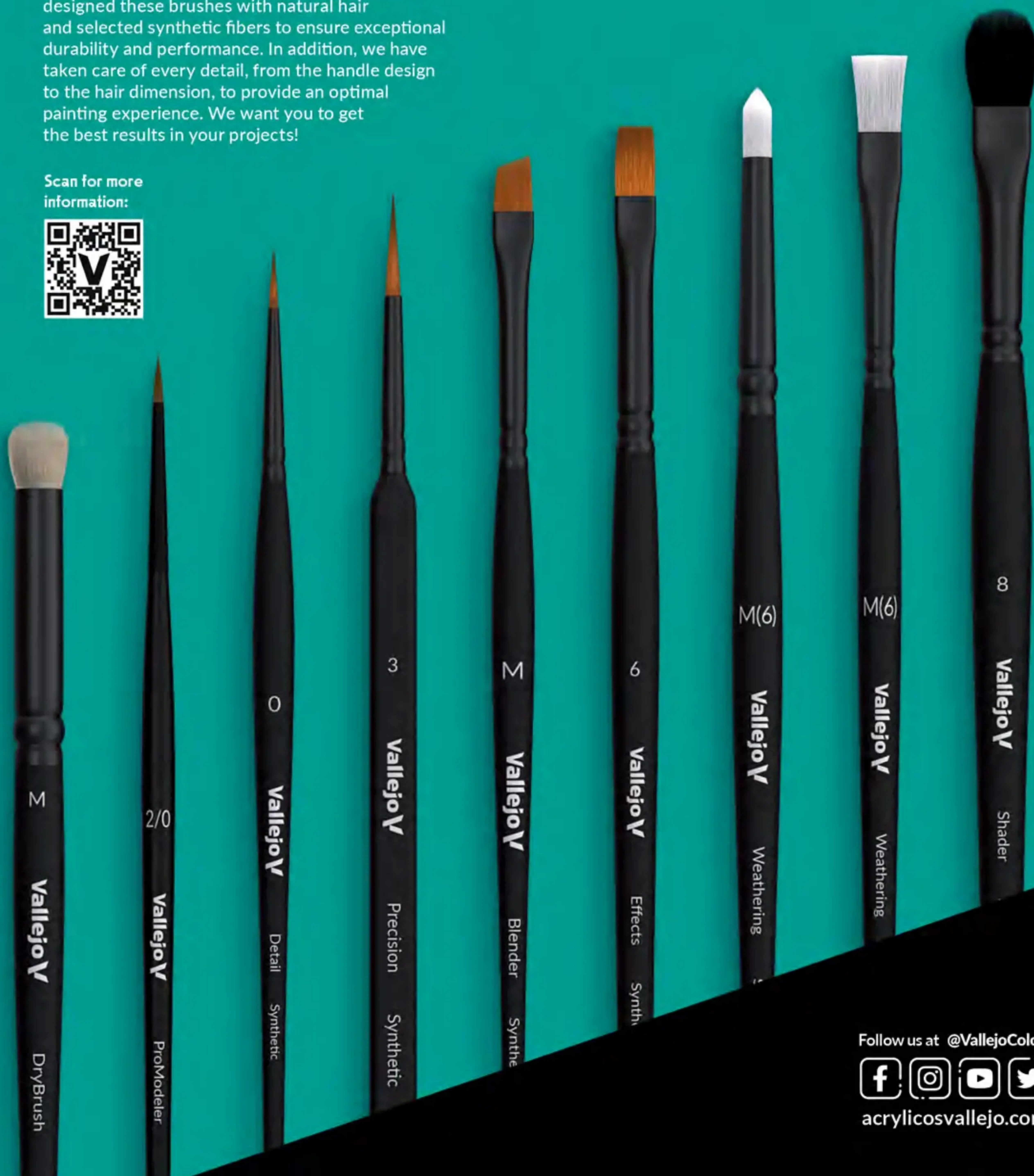
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DEATH TO
THE FASCISTS!



Javier Redondo brings us another of his masterful white-wash camouflage finishes on Dragon's 1:35 T-34/76 Mod 1941/42

In references images there are some pics of a T-34/76 belonging to the 6th Army of Gorodianskiy in the combat that took place in Izyum, south of Kharkov, January/February 1942. It presents some very interesting particularities as it is a model transition that still preserves the old driver's hatch with three periscopes, the rounded rear part of the hull and the rectangular access hatch.

At the same time, it incorporates the modifications introduced in the new type of hull and the entirely steel wheels due to the lack of rubber at the time. The turret, manufactured from September/October 1941 to simplify production, eliminated the

right periscope and incorporated a new access hatch for the crew. The rear part of the turret now had straight edges by incorporating a plate fixed with eight bolts.

Above the worn white camouflage, it has a longitudinal red stripe on the roof of the turret for aerial identification. On the right side it has the patriotic slogan "Za rodinu" (For the Motherland) written on it and on the left "Smert Fashizam" (Death to the fascists). On the gun mantlet the inscription "Vpered!" (Forward!) also in red. To reproduce this specific model I used the Dragon model T-34/76 Mod. 1941 with some modifications detailed in the image captions. •





I replaced the fenders with photo-etched ones. The front and rear tow hooks were also eliminated. The two driver's side periscopes, copied in resin from another model, were added. All ventilation grilles were also replaced with photo-etched ones. I modified the rear part of the turret with plastic sheet



I added some intermediate-model tow hooks and the entirely metal wheels, all parts left over from other Dragon T-34 models. The toolbox is a veteran piece of a Mig Productions upgrade kit. The left periscope of the turret was also eliminated by covering its hole with a circular cover made of plastic sheet. The exhaust pipes were replaced with others of TMD in resin with a much better finish than those offered by the model



I began the painting phase after carefully washing the model with soapy water, priming with Mr Surfacer 1500 Black



To reproduce the Soviet green I used 'Protective K' from AK Interactive to which I added a couple of drops of Tamiya X-22 Clear



I applied the winter camouflage via airbrush using 'Washable White Camo' from AMMO By Mig. This reference allows us to easily remove part of the colour later with a brush moistened with water





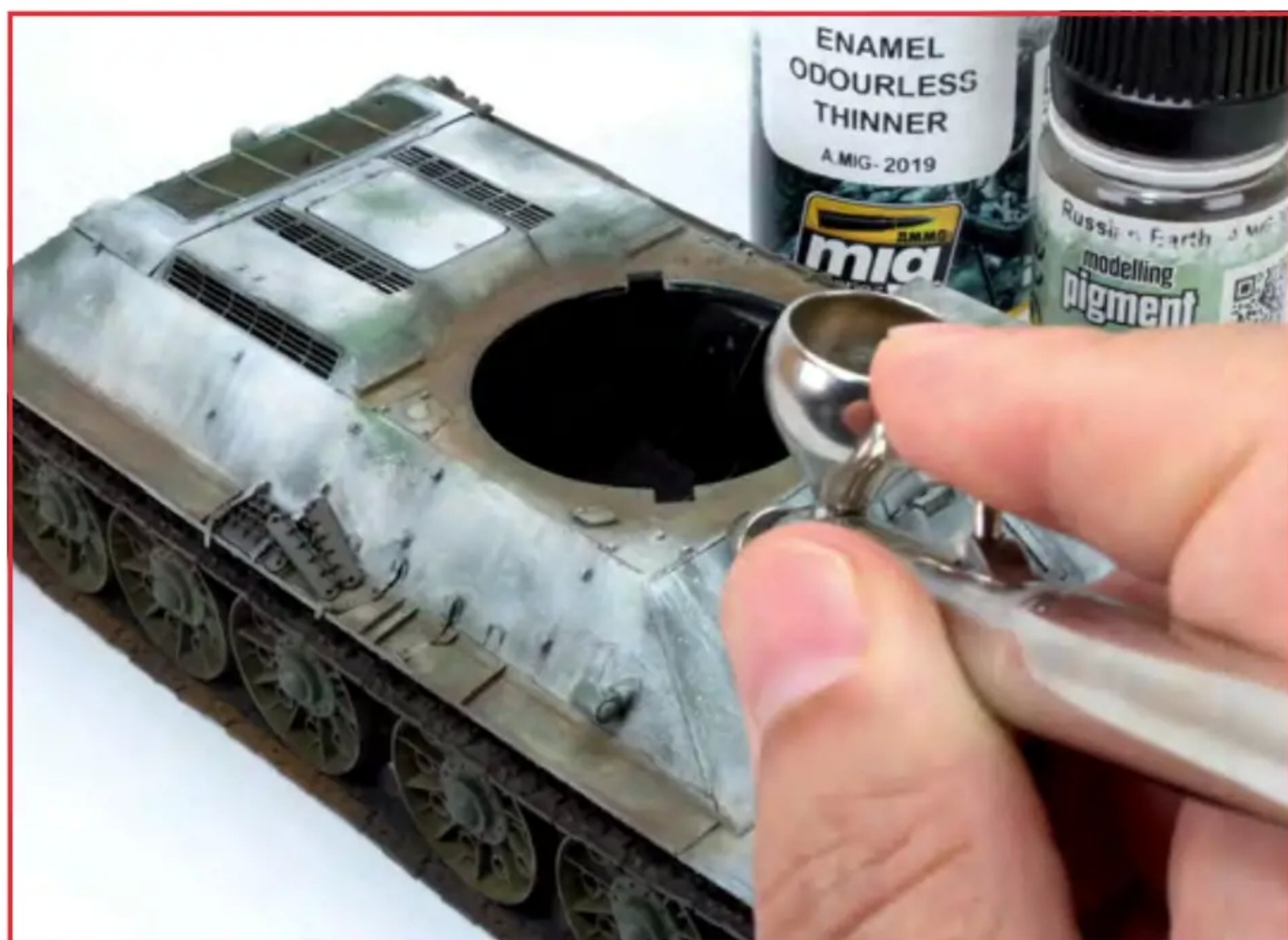
I reproduced the red aerial ID band using adhesive masks and Vallejo Red



Patriotic slogans were painted with a fine brush using the same colour



With a couple of fine strokes the colour perfectly covered the masked-off area



To dirty-up the horizontal areas I used pigment diluted in thinner, applied with the airbrush



The exhaust pipes were painted by brush using a mixture of Vallejo Acrylic Chocolate and Ammo Gun Metal pigment



I reproduced the snow adhered to the undercarriage using a set of specific AMMO products



To simulate the parts where oxidation and rust appear, I used 'Rust' and 'Earth Clay' oil paints, applied with a brush

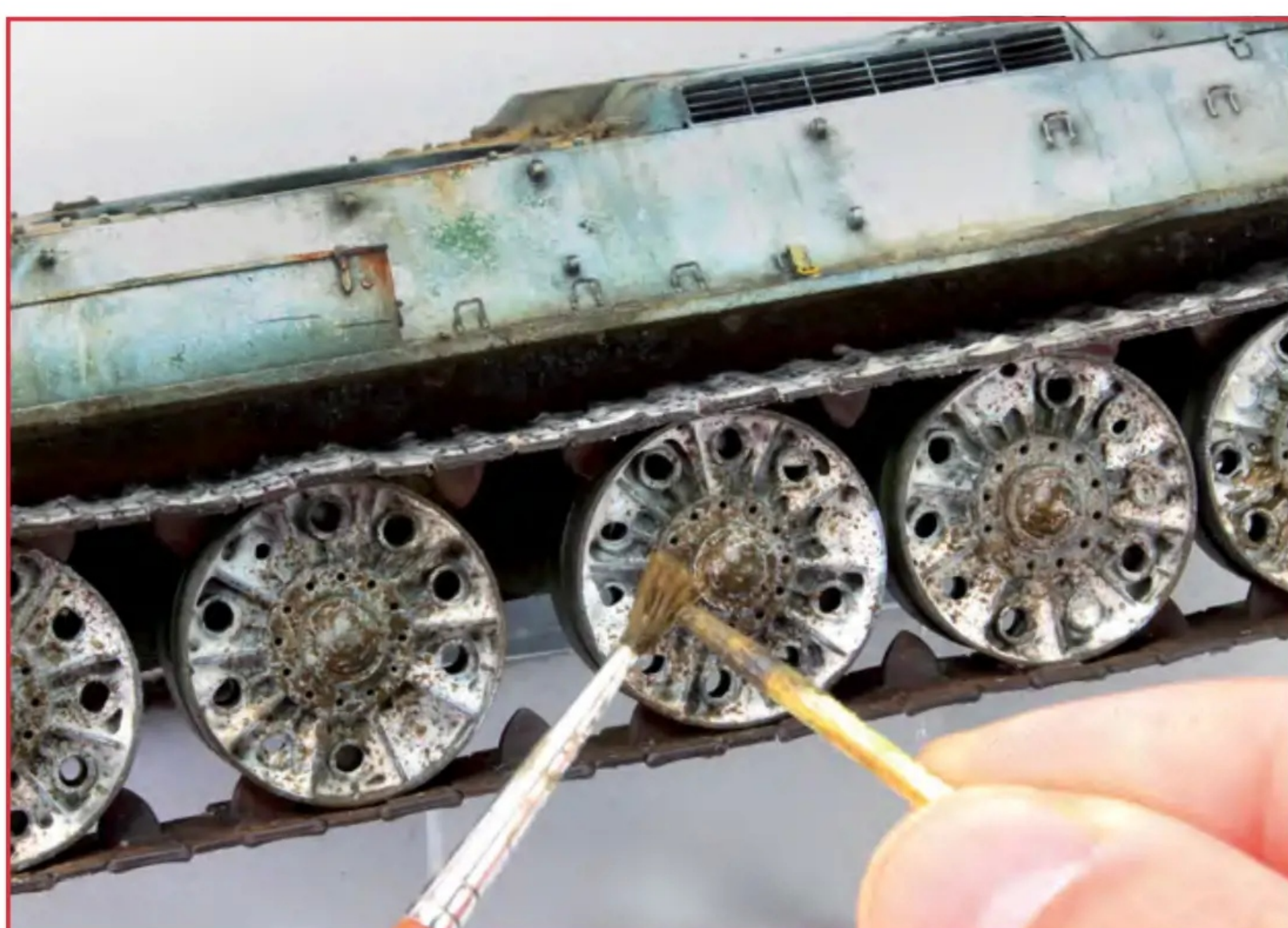




I added the deposits of earth on the hull randomly, fixing later with matt varnish applied with a dropper



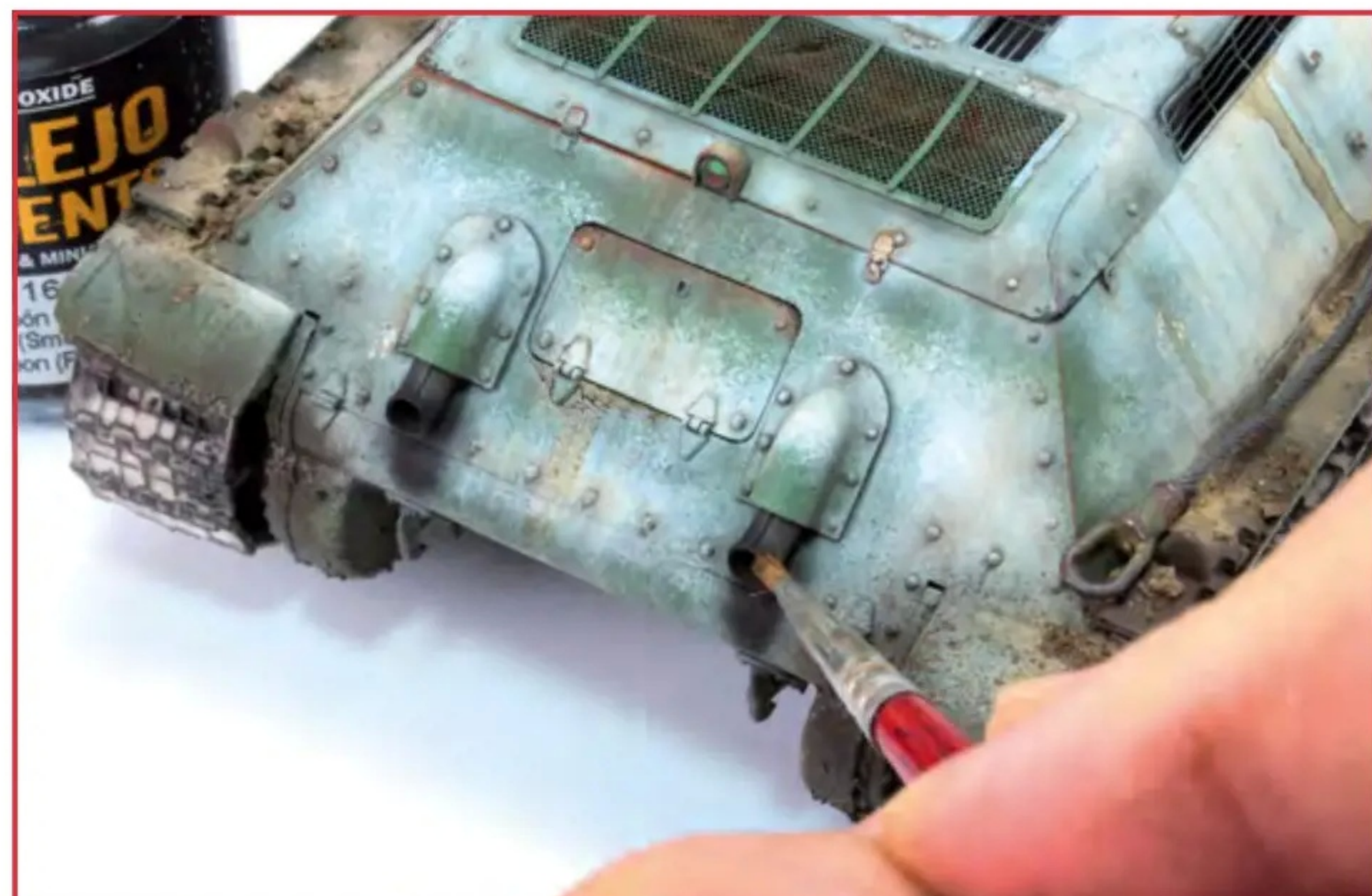
With an old brush I added mud using 'Fresh Mud' (1402) from AMMO to the lower areas



I also applied mud splashes on the running gear



Finally, I reproduce remains of fuel, oil and grease



I simulated the soot on the exhaust pipes with Vallejo Carbon Black pigment, applied dry with a brush



MODELSPEC

DRAGON 1:35 T-34/76 MOD.1941 KIT NO.6205

Materials:

Injection-moulded polystyrene, waterslide decals

Paints used:

Mentioned within the photo-captions

Accessories used:

- Voyager: Fenders for T-34/76 Mod 1941 (PE35183)
- Jordi Rubio: 76.2mm Soviet tank gun barrel (TG-07)
- Tiger Model: T-34 Exhausts (35201)
- Aber: T-34 Grille cover (G07)

References

- T-34 Mythical Weapon. R. Michulec y M. Zientarzewski, Armageddon & Airconnection 2006
- T-34 Camouflage & Markings. J.R. Jackiewicz, J. Szymanski and K. Switala, Ajaks Military Books
- T-34 Stalin's War Horse. J. Jackiewicz & R. Picheta, Ajaks Military Books
- T-34/76 Camouflage & Markings. Przemysław Skulski & Mariusz Filipiuk, Mushroom Model Publications 2008

Availability:

Dragon models are widely available from good model shops and online. UK import and distribution by The Hobby Company Limited; www.hobbyco.net





PHOTO-ETCHED ACCESSORIES

- 36513 Ferret Scout Car Mk.2 1/35 Airfix
- 36514 T-72M 1/35 Trumpeter
- 36516 M3A2 Half Track 1/35 Tamiya
- 36517 Jagdpanzer 38(t) Hetzer 1/35 Takom
- 36518 Sd.Kfz. 251/18 Ausf. A 1/35 ICM

eduard



#36517



#36514



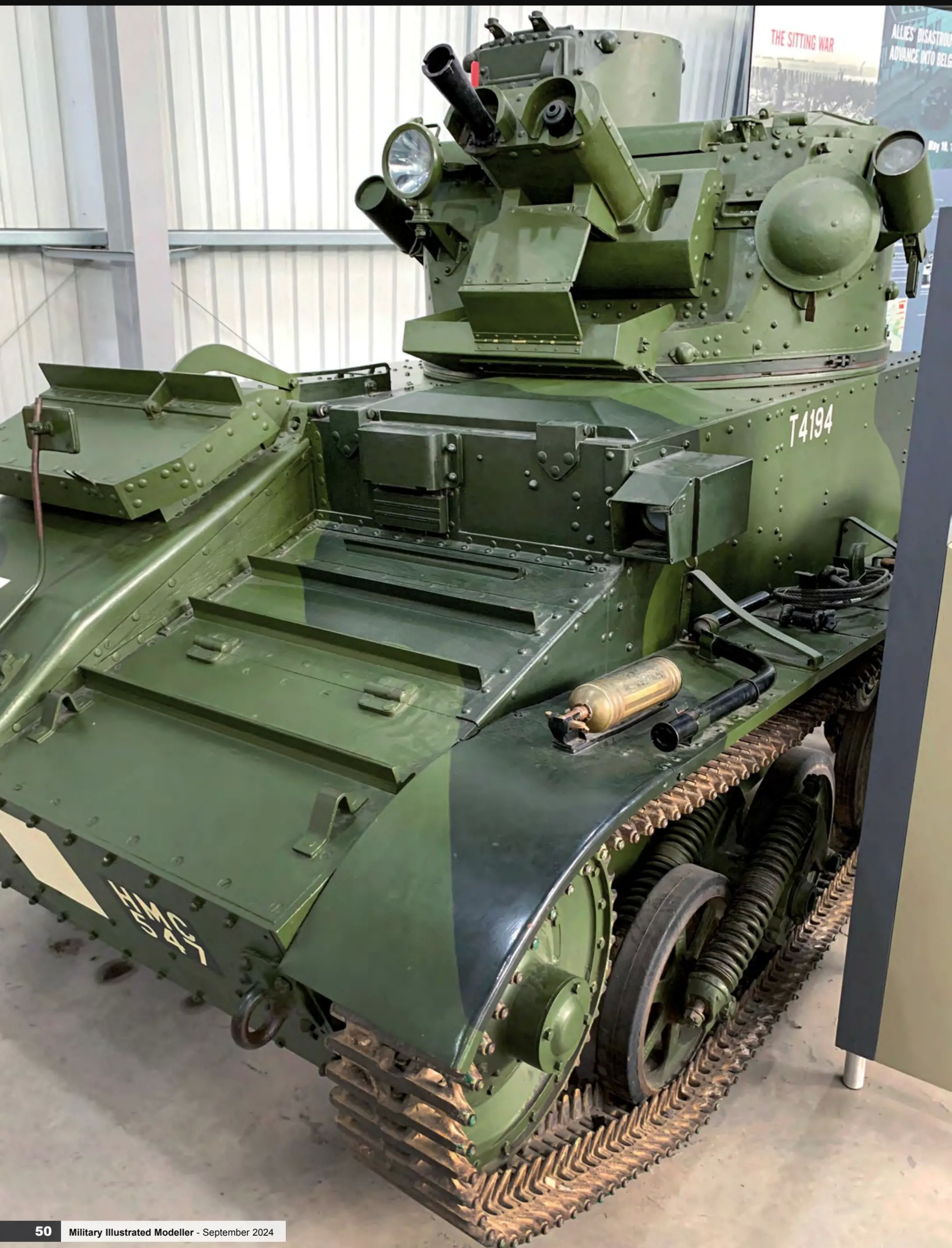
#36518



#36513



#36516



SMALL, BUT PERFECTLY FORMED?

Modelling references for the British Light Mk.VIB

Tank, Light, Mk.VI' was the sixth in the line of light tanks built by Vickers-Armstrongs for the British Army during the interwar period.

Production of the Mk.VI began in 1936 and ended in 1940 with 1,682 Mk.VI tanks having been built. When the Mk.VI was first produced in 1936, the Imperial General Staff considered the tank to be superior to any light tank produced by other nations. When the Battle of France began in May 1940, the majority of the tanks possessed by the British Expeditionary Force were Mk.VI variants; the seven Royal Armoured Corps divisional cavalry regiments, the principal armoured formations of the BEF, were each equipped with twenty-eight Mk.VIs.

The British Army lost 331 Mk.VI light tanks in the Battle of France of 1940.

Several of these vehicles were captured by the Wehrmacht and redesignated 'Leichter Panzerkampfwagen Mk.IV 734(e)' and used for training purposes until the autumn of 1942.

The Mk.VIB was also used in the North African campaign against the Italians late in 1940 with the 7th Armoured Division. At this time, the British had 200 light tanks (presumably Mk.VIBs) along with seventy-five cruiser tanks (A9, A10, A13) and forty-five Matilda IIs. *(History edited from Wikipedia).*

THE TANK MUSEUM'S MK.VI

The Bovington's example probably never saw combat. It was used as a training tank at a time when it was crucial for soldiers to learn how to live and fight in tanks. •



THE MK.VI IN 1:35 MODEL-FORM

Vulcan Models:

- 1:35 British Light Tank Mark.VIB (56008)
- 1:35 British Light Tank Mark.VIB (56009)
- 1:35 British Light Tank Mark.VIB (56011)

Photographs taken at The Tank Museum: www.tankmuseum.org



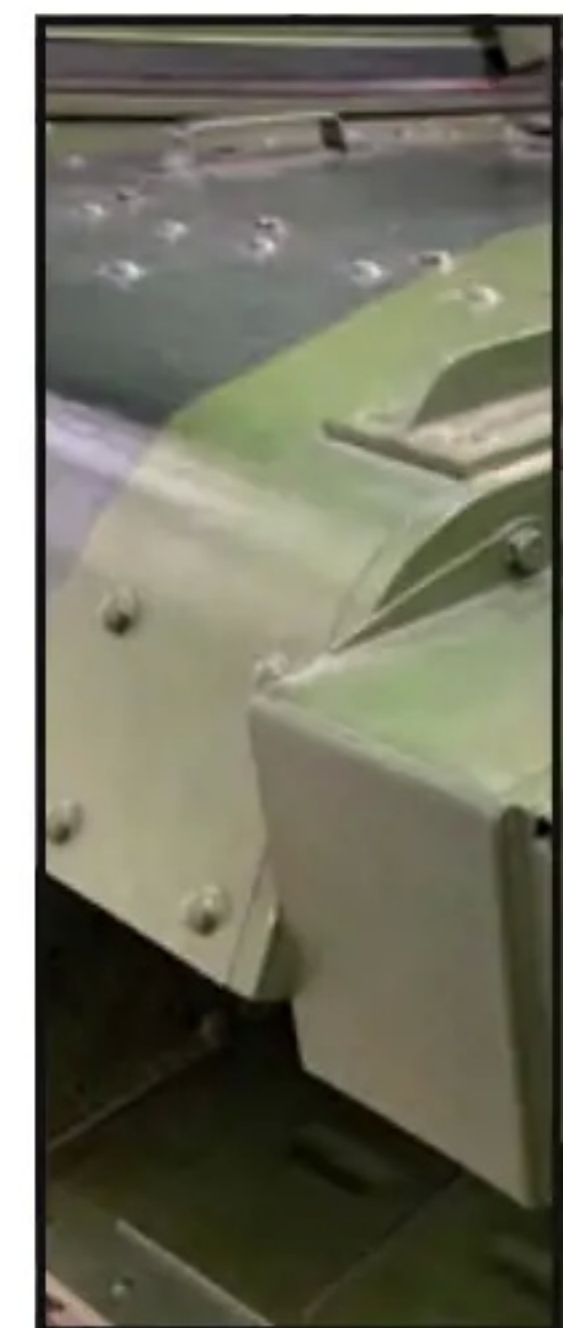
View of the glacis plate, showing the riveted construction typical of the whole vehicle



Front-right mudguard. Note the long pole supporting the rear-view mirror and its pivoting mount



Front-left track-guard, with fire extinguisher and engine-cranking handle clipped in place





Front-right of the hull showing the black-out light



Hinge mechanism of driver's armoured flap



Track guard with tool clips/clamps: simpler than its German equivalent of the era



Rear deck, again revealing the riveted construction of much of the Mk.VI's hull



Front-right side of turret. Note the large searchlight, smoke discharger and tiny gun mantlet

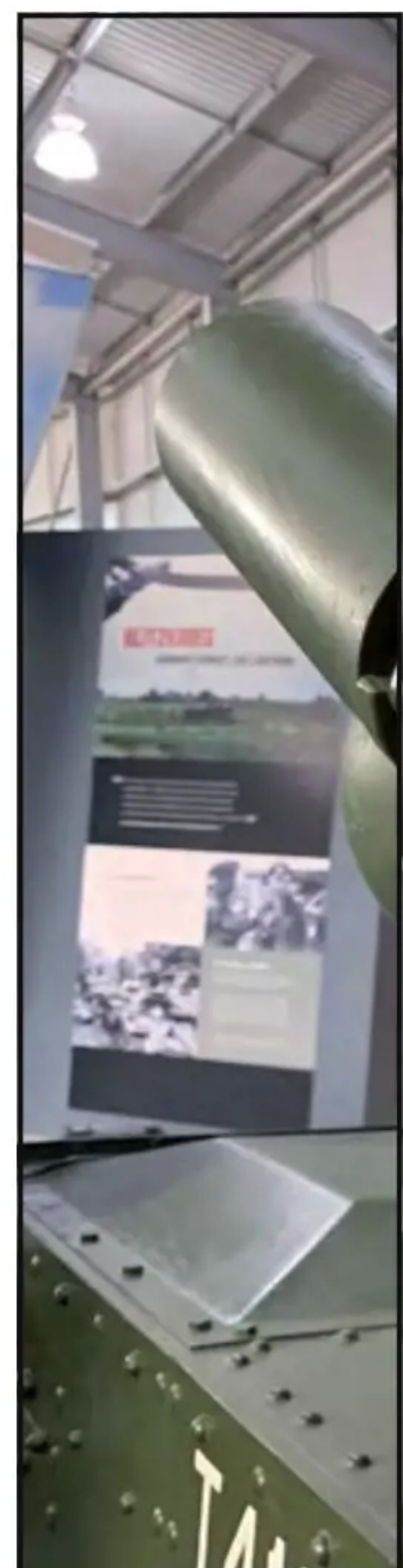


Front-left of turret with a British infantry helmet hanging from a fitting. Note the cast texture on parts of the gun mantlet



T4194

Side view of the turret showing the characteristic smoke discharger and its very basic design

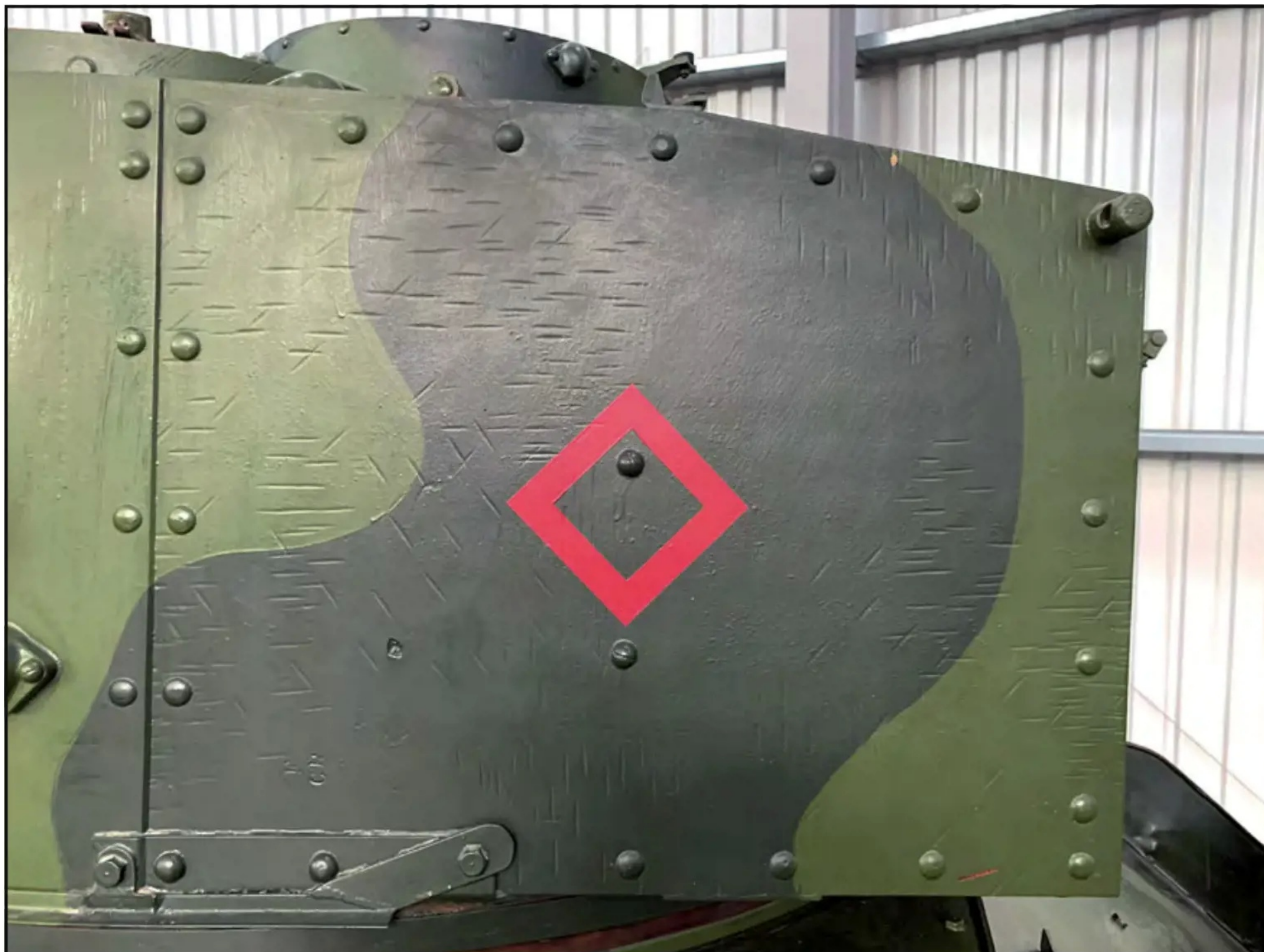




Views of the radio aerial-base with its retraction mechanism: handy details for the modeller



The close-up of the turret's side shows the dash-shaped production marks that form when the turret shell is being manufactured



Another turret side view showing those production marks, maybe just visible on a 1:35 model?



Rear view of Bovington's Mk.VIB displaying a noticeable overhang. Note also the extremely narrow tracks, typical of early tankettes and carriers

SCALE 2024 ModelWorld

**We'll squeeze it all
in somehow...**

**Saturday 9th November ~ 10.00am to 6.00pm
& Sunday 10th November ~ 10.00am to 4.00pm**

(will two days be enough?)

Admission prices to be confirmed shortly

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and will be available from: ipmsuk.org/ipms-scale-modelworld/
No tickets on sale at the door.

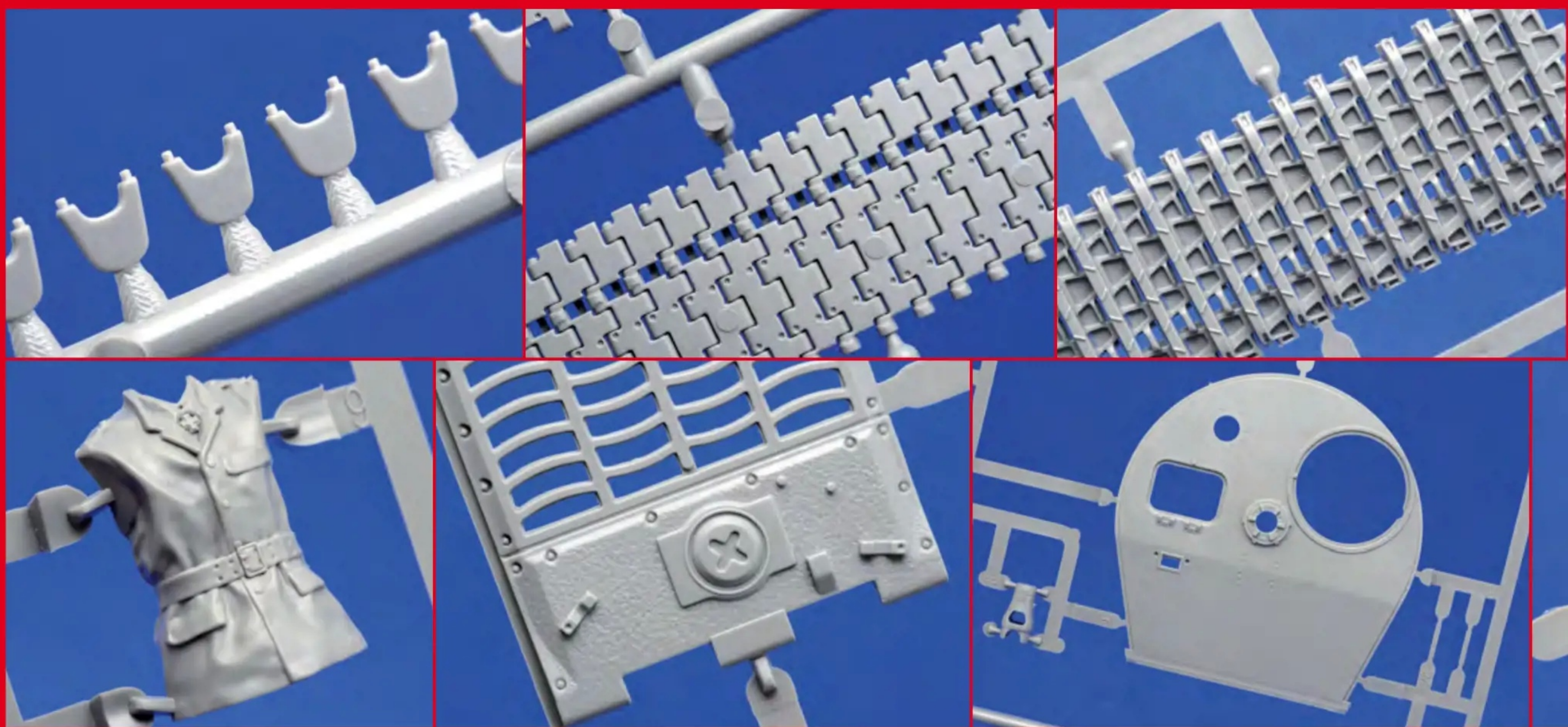
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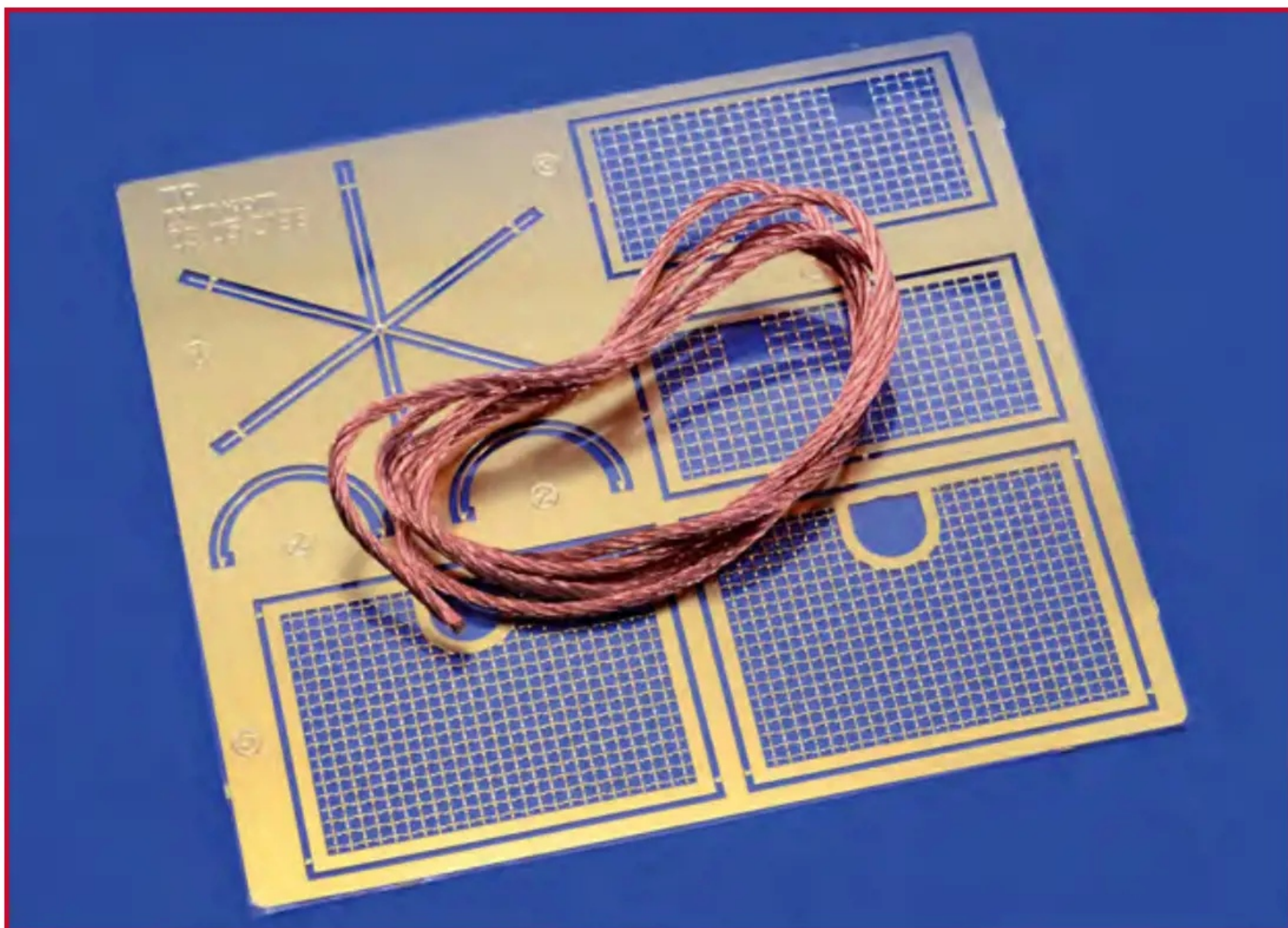




KIT PREVIEW

MICHAEL WITTMAN'S TIGER

Takom's new kit depicts a late-Production Tiger I with steel-wheels and it has its Zimmerit anti-magnetic mine coating moulded integrally into the appropriate areas, such as hull and turret sides, plus the glacis, bow and rear plates...



For an 'organic' texture, ie, one not made by a machine, the Zimmerit is remarkably convincing and natural-looking, so we are off to a good start. There are some alternative parts on the sprues left over from previous releases, so it's important to study the instructions to make sure you're using the correct components for the project at hand. The tracks are very impressive and come with individually-moulded guide-horns so the gap underneath each one can be formed correctly. This may sound like a quite a fiddly challenge, but the guide horns are moulded in short runs on 'sub-sprues' within the main plastic frame and thus

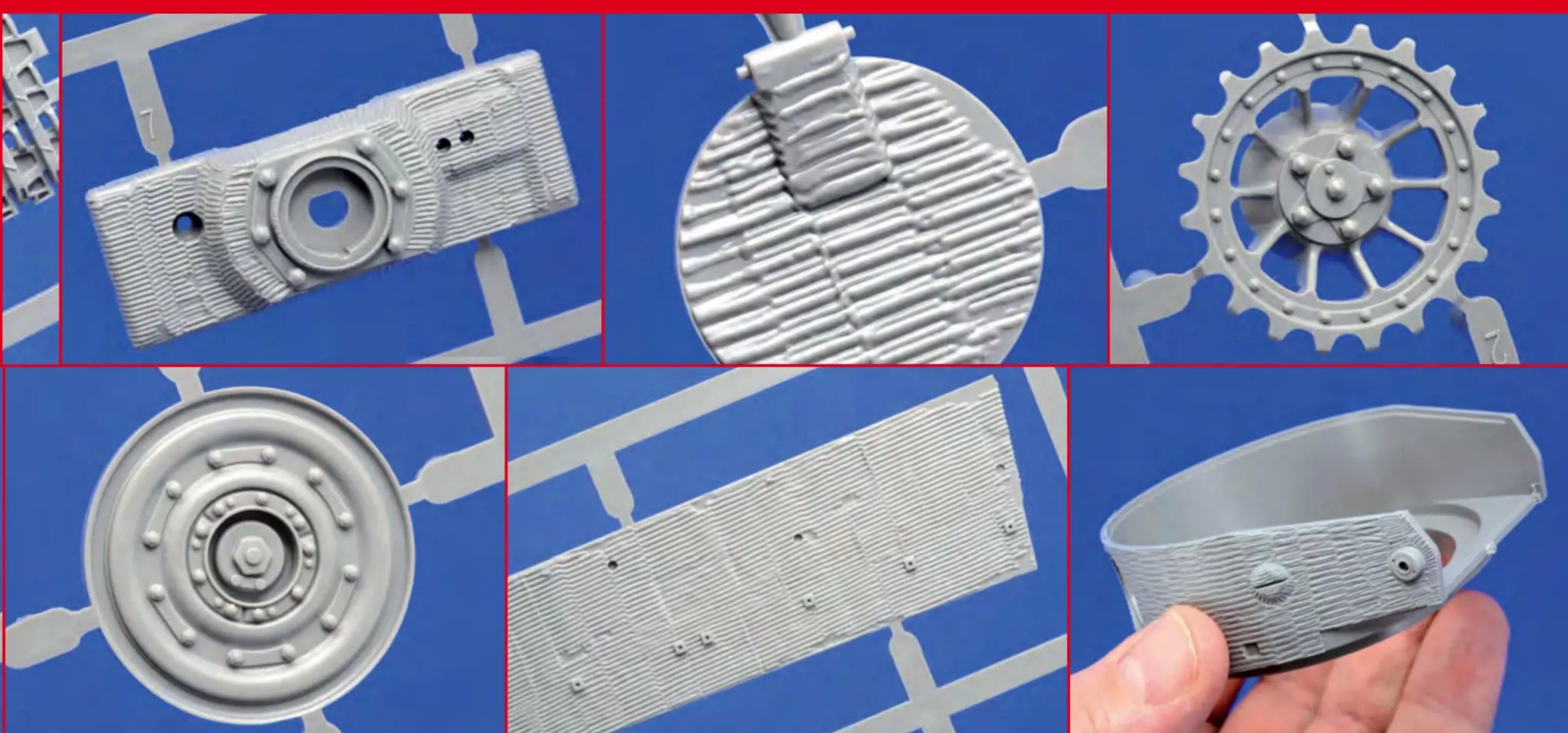
can be fixed in groups to the inner track faces, greatly speeding up assembly and keeping them aligned perfectly. Superglue might be the best material to affix them for maximum strength and resistance to subsequent weathering materials and solvents. This release depicts the late-production command-tank variant of infamous panzer ace Michael Wittman in which he famously fought during the Battle of Normandy and in the box you'll find an extremely nice figurine of the man himself, his torso moulded in front and back halves, individual legs, arms, head and hat. The command tank's 'star antenna' with its six 'prongs' is provided in photo-etched brass

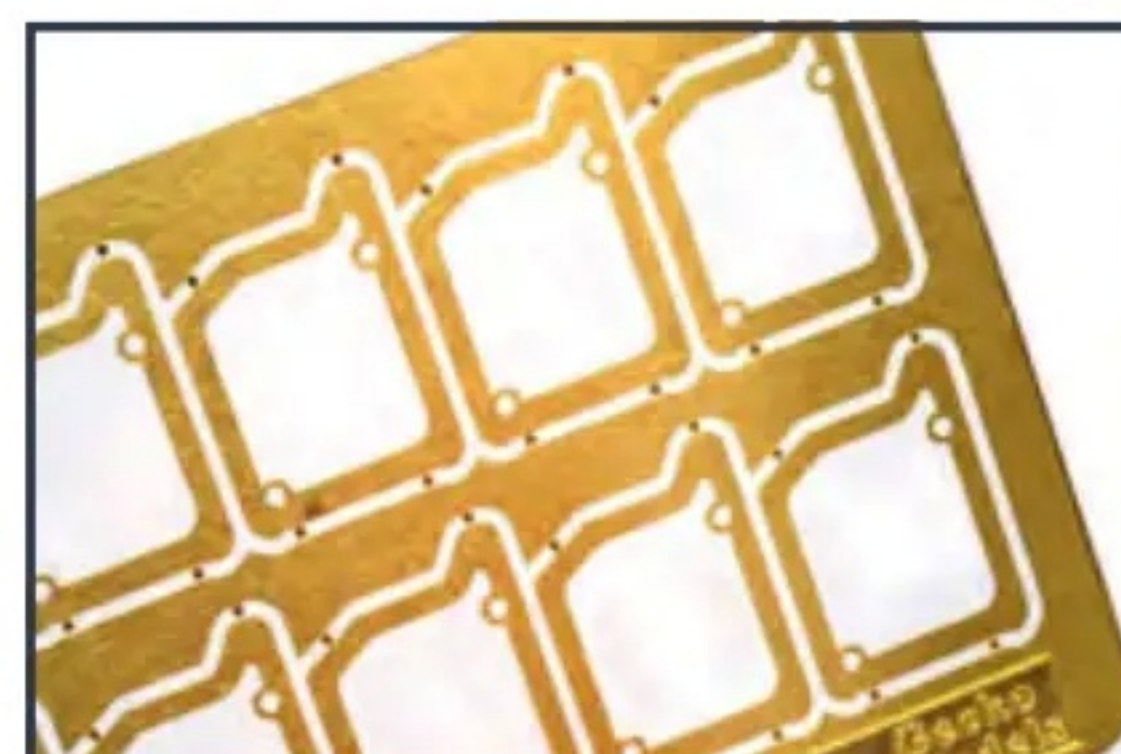
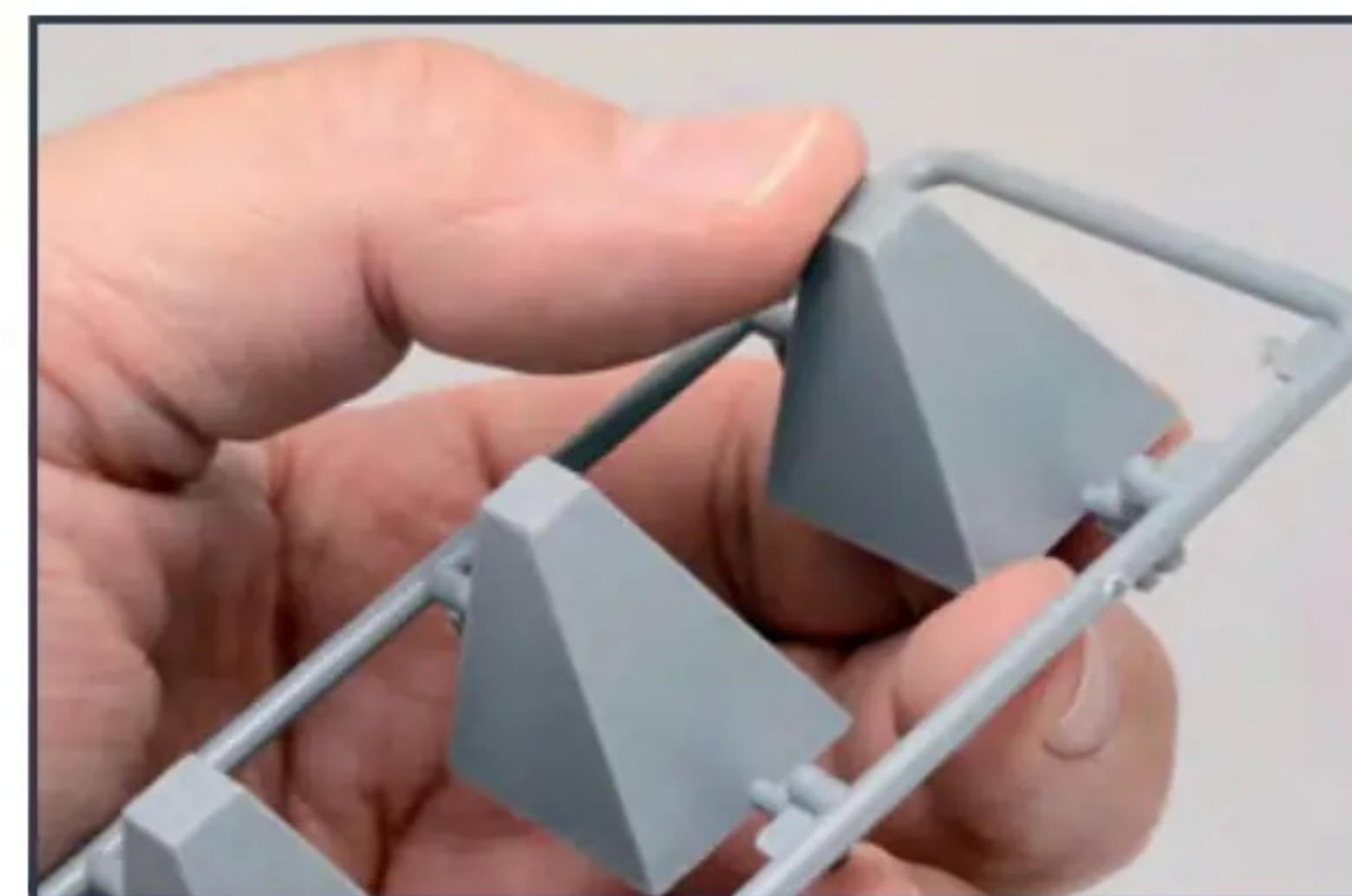
with its tapering mast formed from plastic on sprue J. It looks good, and with a little gentle thinning it'll be even better. An aluminium main gun barrel is included as standard, which is a very nice touch: the muzzle-brakes (two types are offered) are three-part affairs and very well detailed. Another fantastic Tiger I from Takom and it will give hours, days and weeks of enjoyment: no-workable tracks, but it's not a big deal. •

AVAILABILITY;

Takom: www.bachmann.co.uk

Available from good retailers everywhere





GECKO MODELS

Gecko Models has recently made the possibility of a 1:35 'Siegfried Line' diorama that little bit easier with the release of this set of eighteen, cast-concrete 'dragon's teeth' obstacles in injection-moulded polystyrene. Six sprues are to be found in the box, each carrying three types of concrete-textured 'tooth', more than enough for a late-war diorama.

Also new from Gecko is a pack of modern British military twenty-litre water and fuel cans, ten of each type and all moulded beautifully in two halves with detail on all faces. Separate handles, fillers and photo-etched seams are provided for the fuel cans to create an accurate profile. The finishing touch is a set of decals for the water cans - very neat indeed and perfect for your Tamiya Challenger 2. *MIM*

1:35 injection-moulded accessory sets

- Dragon Teeth Anti-Tank Obstacle Set Small Type (35GM0048)
- Modern British 20l Fuel Can & Water Can Set (35GM0079)

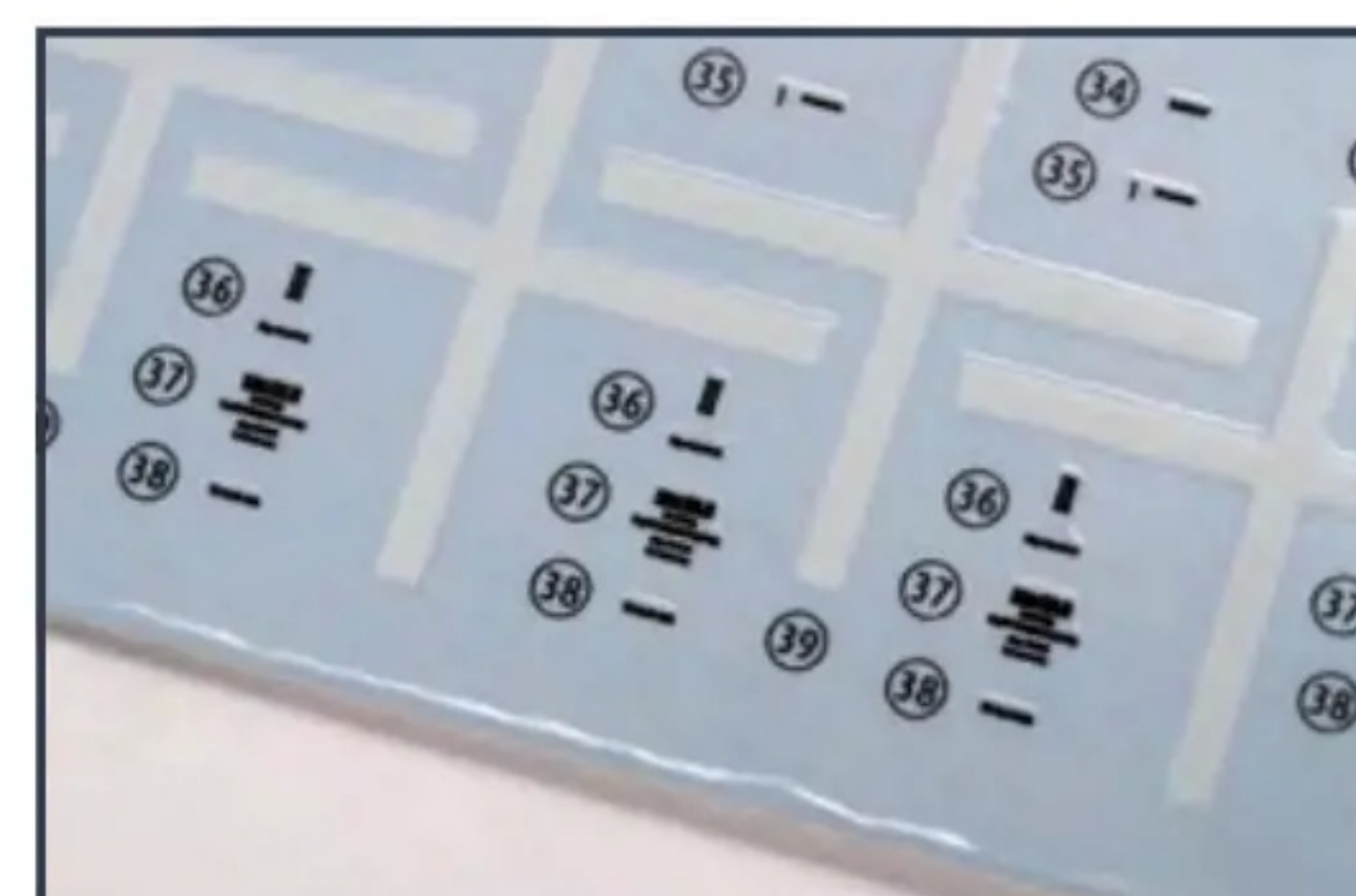
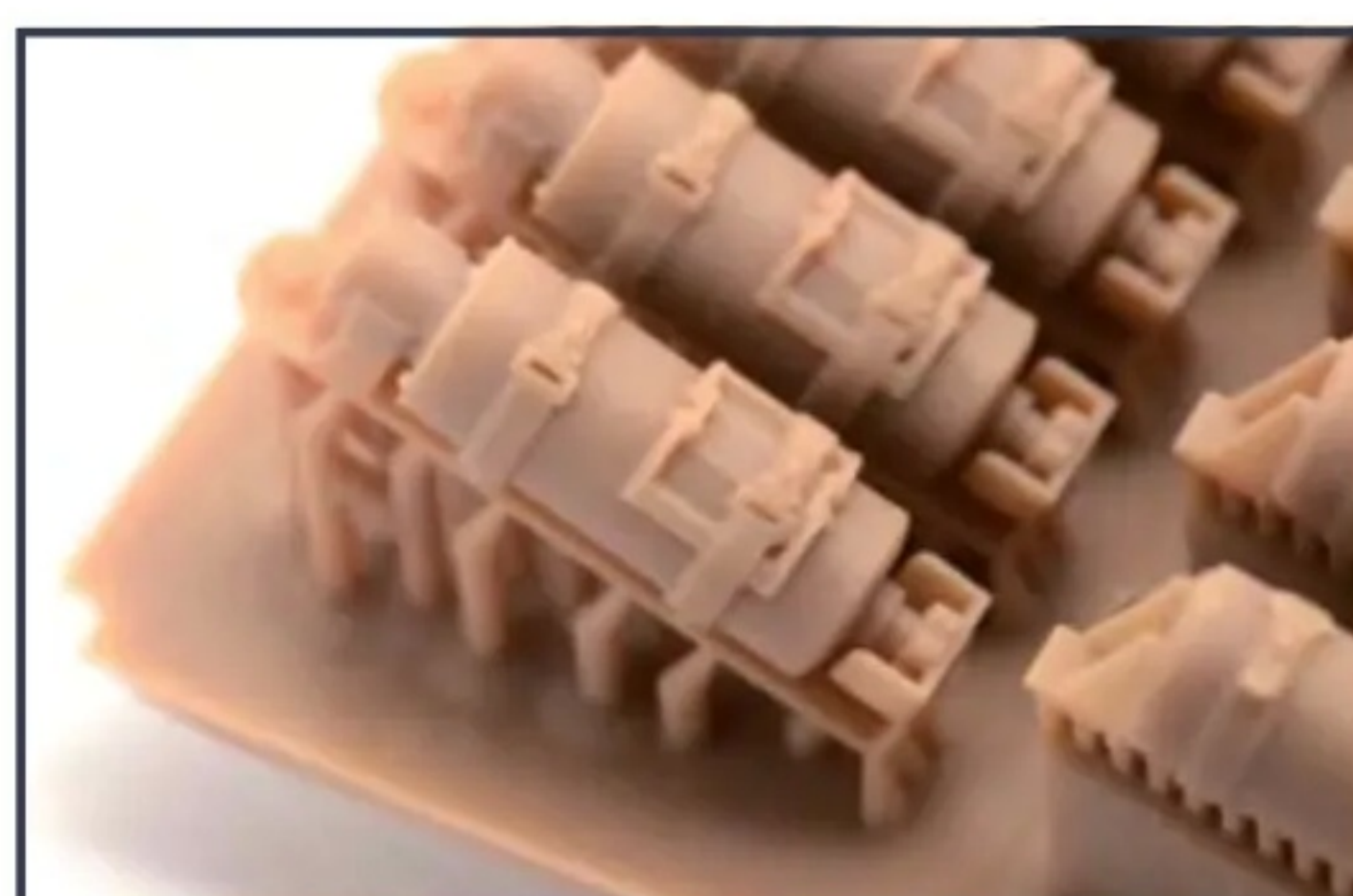
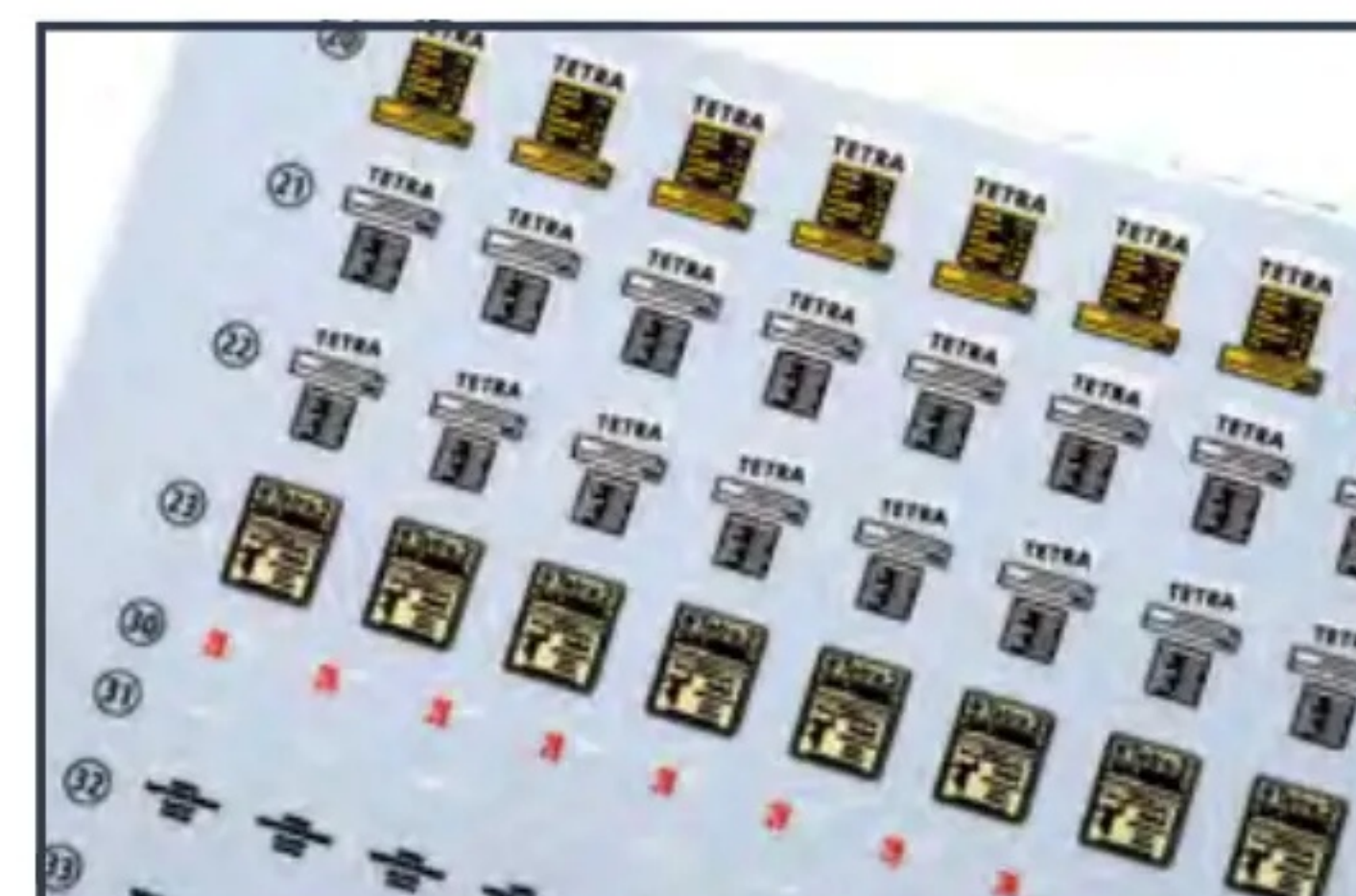
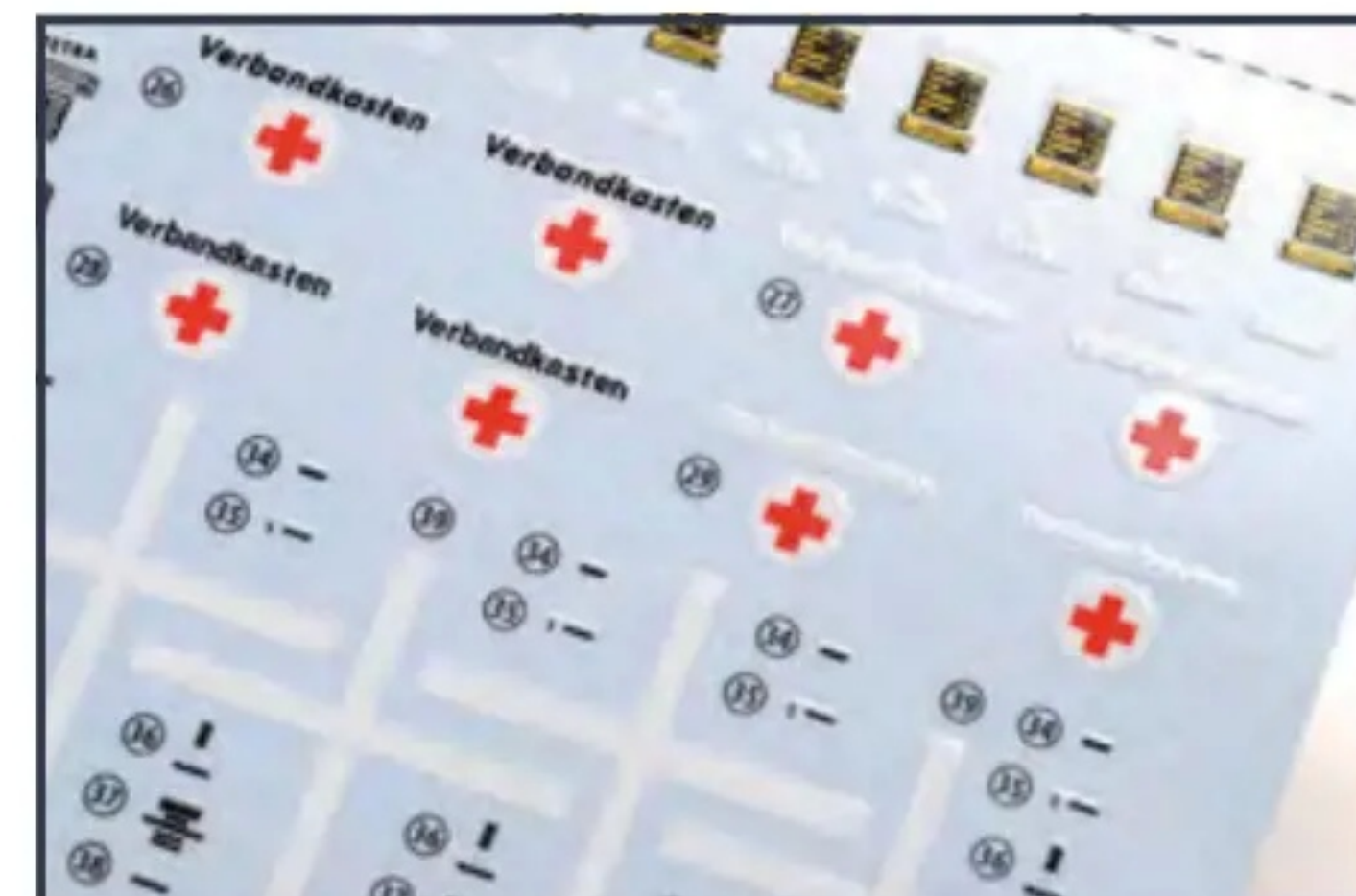
ICM

ICM's range of high quality acrylic paint sets continues to expand and now covers a variety of subjects, from Fords and Friesians to Marauders and machine gunners! *MIM*

Acrylic paint sets 6 x 12ml bottles per pack

- WWII US Aviation (3047)
- US Cars 1930s-1940s (3048)
- WWI US Vehicles (3051)
- WWII British Infantry (3054)
- Civil Aviation (3055)
- WWII Japanese Pilots (3056)
- Firefighters (3057)
- Animals (3061)





PASSION MODELS

If you are thinking about building Tamiya's superb '8.8cm Pak43/1 auf Geschützwagen III/IV Sd.Kfz.164 Nashorn' to give it its full name (Kit No.35335) as the command version, you will need the necessary radio sets, because so much of the interior is on show and they can be clearly seen. This equipment is now available thanks to Passion Models in this set of 3D-printed parts, and the detail is fantastic. Full instructions provided. **MIM**

1:35 3D-printed detail parts

- Nashorn Command Vehicle Radio Set (P35T-010)

SCALE COLORS 3D

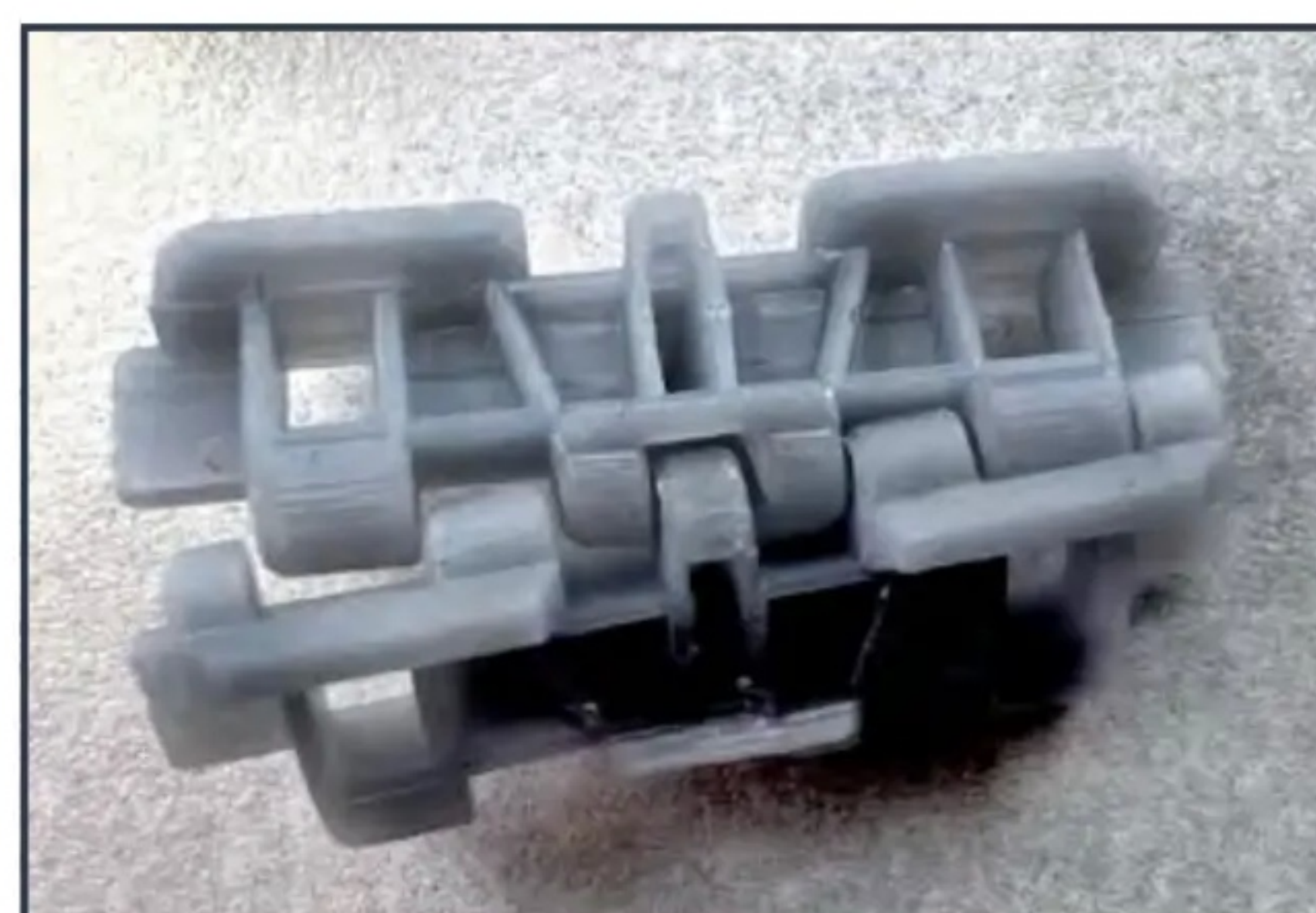
While the track links supplied in many recent kits are much better than older kits, the amount of detail can always be improved and the advent of 3D printing has allowed precision that in the past would be near impossible. Scale Colors 3D has a large range of paints and parts for aircraft, armour and ships, and their latest venture is into 3D-printed individual track links. Produced in grey material, the tracks are very accurate and precisely match the real links, and separate pins are supplied to allow the modeller to fit correct inner and outer pins, representing the heads of the pins that can be seen in real life. This allows the tracks to articulate and thus they can be assembled and painted before fitting to the model. The tracks have the typical sag of the real thing, and can mould to base-work in a realistic fashion. The two sets we have are for the Russian tanks at the transition from KV to IS types. The tracks for the KV-1S and KV-85 have alternating split links, with toothed links in every second position. These same links, which first appeared in October 1942, were used on other KV and IS vehicles and thus are widely applicable. The other set is a style that appeared in spring 1944, without split links, and thus with guide horns on every link. These tracks were used on any IS chassis, including the IS-1, IS-2 and the ISU assault guns. Both sets fit together well, although the split-pin type did need some slight trimming on a few joints between links. The other set assembled perfectly, and the end result is simply incredible. Contact the supplier info@scalecolors.com for details of postage outside USA, as this is arranged as necessary. Incredibly accurate parts to replace kit items and get a realistic appearance. A very few links are 'tight' and need a touch of sanding. **CLS**

1:35 3D print track sets

- Soviet KV-1S, KV-85 tank track links (SC3D-42)
- Soviet IS-1, IS-2 tank track links (SC3D-40)



This set contains asymmetrical track pins. Cone-shaped pins are fit to the outside of the tracks. Flat-headed pins are fit to the inside of the tracks.

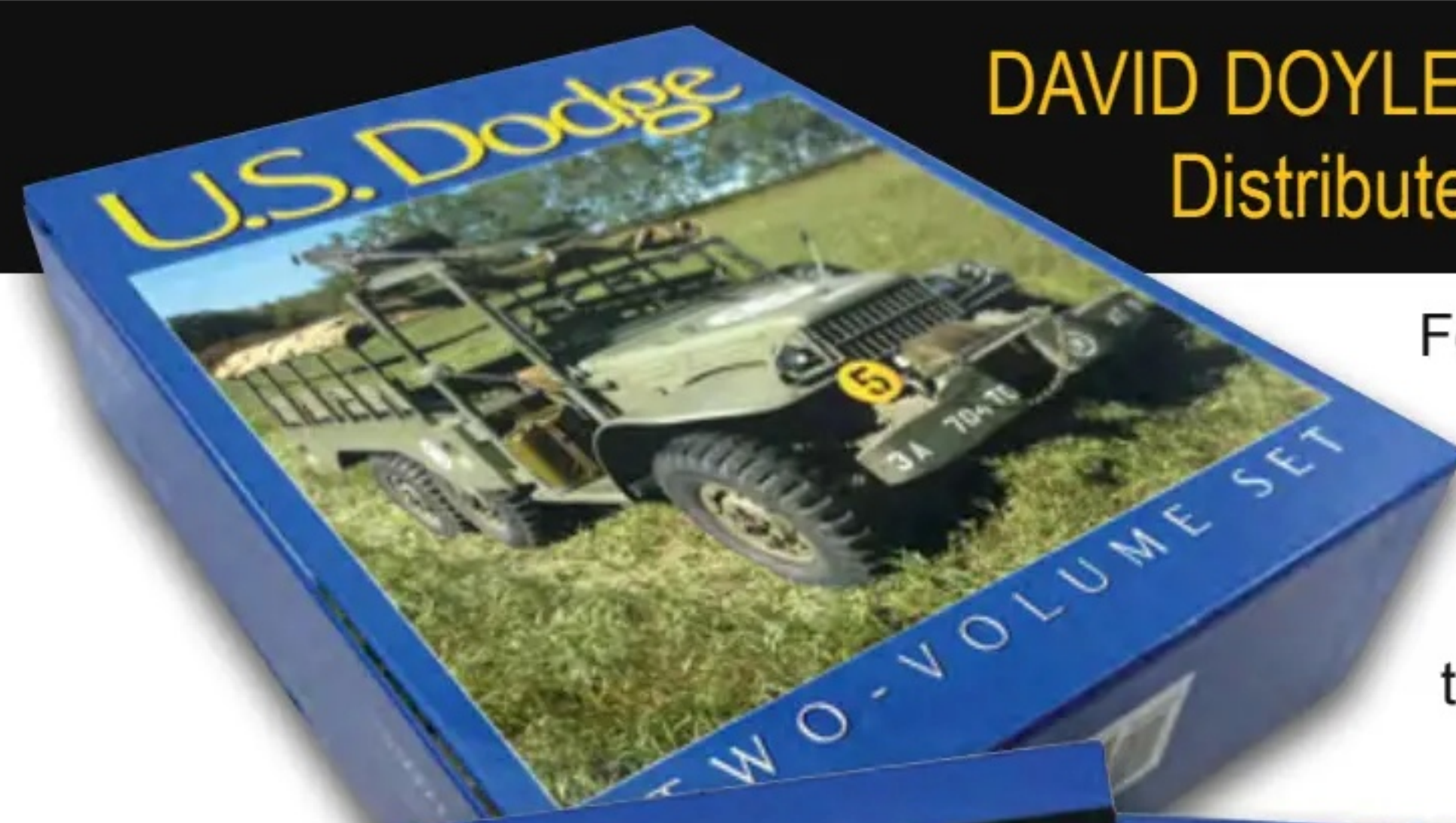


BOOK REVIEWS

US DODGE, TWO BOOK SET

DAVID DOYLE, www.daviddoylebooks.com

Distributed in UK and Europe by Jeep Promotions (jeep.promotions@btconnect.com)



Following on from the incredible Son of Sherman books, Doyle has tweaked and re-released his two books covering the development and deployment of Dodge military trucks, 1940-1975. The stimulus for this updating of the two books from 2015 is doubtless the new Zvezda kits, including the forthcoming Dodge ambulance.

The two massive books cover everything that a modeller could possibly want to see, and researchers will be fully satisfied by the wealth of detail. The books begin with coverage of the development of the ½ ton WC series, a lesser known forerunner of the much more famous ¾ ton WC-51 and WC-52 which saw extensive use in WW2. The books go on to cover the WC-63 6x6 version, as well as the ambulances, knock-down versions, and the various post-war developments. The M37 trucks, kitted by Roden in 1:35, are also covered – and indeed the books cover all of the developments through to the end of the Vietnam War. Having dealt with each vehicle type, the second book considers the use of the vehicles, firstly in training in the US, and then by each theatre of operations, from North Africa through to East Asia. It is hard to see how these books could be improved, but perhaps some scale drawings would help model-makers. Additionally, as these vehicles were widely used by WW2 Allied nations, as well as by the Soviets, it would have been good to see some inclusion of photos showing Beeps in service with the Commonwealth, Polish and Russian forces. This does not remotely detract from these astonishing books, which will prove as popular as the earlier editions, which rapidly became unobtainable. A timely and very welcome pair of books from David Doyle. The most in-depth coverage imaginable, with every detail covered, although some photos of the vehicles in Allied use would have been welcome. **CLS**





PANZER TRACTS NO.15.2

MITTLERER SCHÜTZENPANZERWAGEN (SD.KFZ.251) AUSF. A, B & C/1939-1942

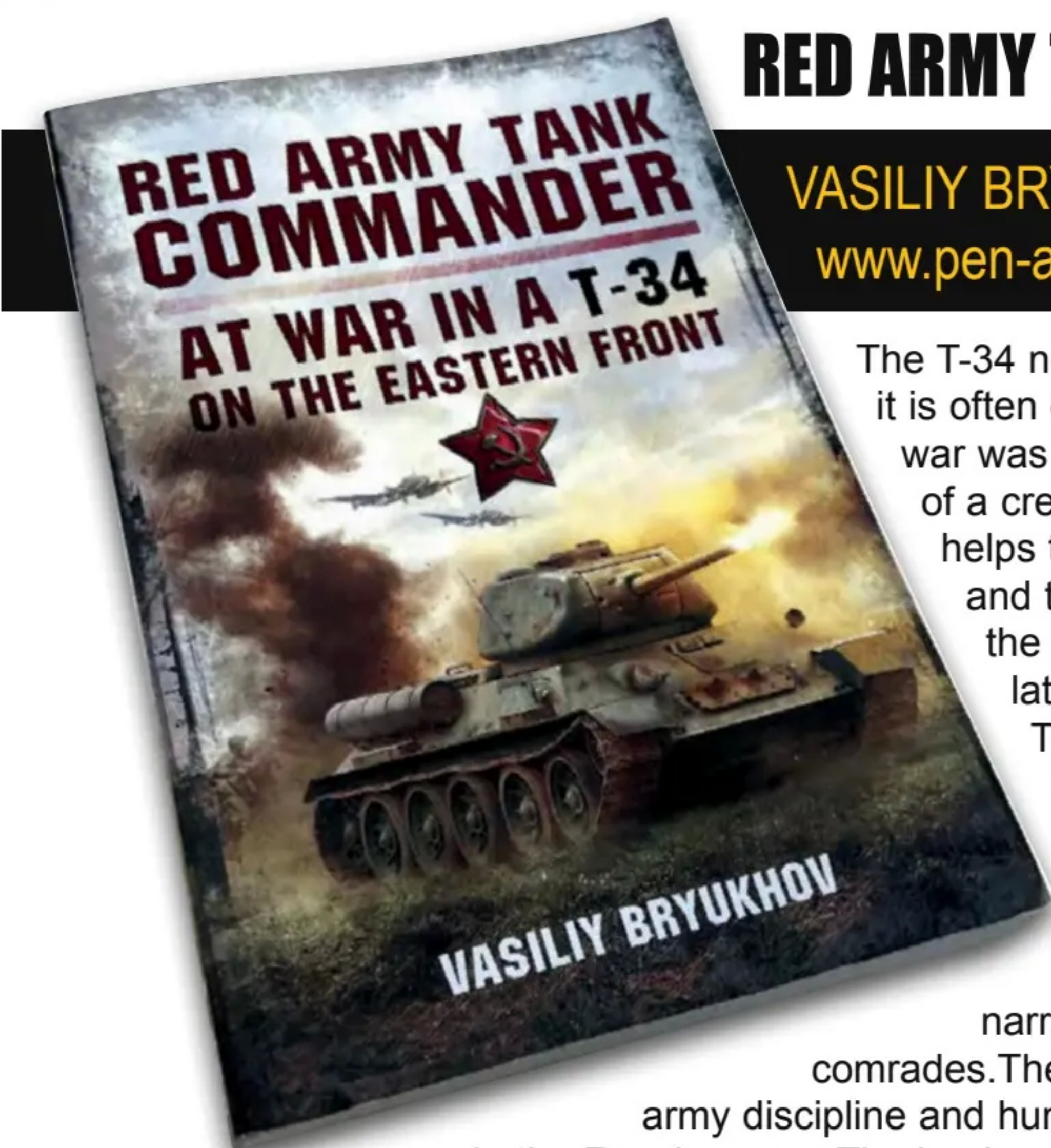
HILARY LOUIS DOYLE & THOMAS L JENTZ

www.panzerwrecks.com



For more than two decades, Panzer Tracts have offered their authoritative reference books on Third Reich armoured vehicles and they have been of invaluable use to modellers wishing to accurize and superdetail their scale projects, so this second edition of their title on the WW2 German Sd.Kfz.251 (early type) is very welcome indeed, adding two more chapters, twenty-eight more pages and no less than forty-five new photographs to the

original publication. This halftrack is a much-modelled subject and there are some good kits of the early version available, most notably from ICM. Using this book as a guide, one gets much deeper into the subject, aided by superb wartime photographs, scale drawings and a dependable history. Very highly recommended. **MIM**



RED ARMY TANK COMMANDER AT WAR IN A T-34 ON THE EASTERN FRONT

VASILY BRYUKHOV, PEN & SWORD MILITARY

www.pen-and-sword.co.uk

The T-34 needs no introduction, but it is often difficult to imagine what war was like from the perspective of a crewman. This book really helps to show the confusion and the strain of working in the Soviet tank force in the latter half of WW2, when the T-34 faced a determined German resistance, and the saving grace of the



Russian vehicles was their speed and numbers. Indeed, it was interesting to read that the rapid advances caused the T-34 wheels to overheat and shed tyres across the road! This book by Bryukhov is a personal view of events, describing his childhood and entry into the army. The narrative is written as a series of events, often anecdotes, describing incidents affecting him and his comrades. The book lays bare the tragedies of battlefield losses, the petty jealousies, and the conflict between

army discipline and human nature. The account is a fascinating read, charting Bryukhov's career and eventual high rank in the Russian army. The book contains a number of photos of Bryukhov, but no maps. At times, the names of unfamiliar towns and villages can be overwhelming, and to make sense of the events it is very useful to refer to a map while reading the text. In summary, this is a fascinating account of life in a Russian tank company in 1944-45, during the advances across Ukraine, Hungary and Austria. **CLS**



military illustrated modeller

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39009 VIETNAM GUN TRUCKS

Squadron Signal Publications is proud to present its first new vehicle book release from the new Georgia Squadron location. The Vietnam Gun Trucks "Detail In Action" includes all the best parts from the "In Action" and the "Walk Around" series combined into one book! PLUS, this book features 144 pages! This book is written by author David Doyle. Cover artwork is done by Antonis Karidis.

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Squadron Signal Publications continues it's new book releases from the new Georgia Squadron location with this revised and expanded 80 page full colour F-16 Fighting Falcon in Action. This book is written by author David Doyle. Illustrations are done by Mark Tutton and the cover (front and back) artwork is done by Piotr Forkasiewicz. This books is 80 pages full colour.

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Editors; Aircraft Edition - Brett Green
AFV Edition - Marcus Nicholls
Publisher; Alan Harman
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Tel; +44 (0)1525 222573

Editorial enquiries;
Aircraft Edition email;
brett@doolittlemedia.com
AFV Edition email;
editor@tamiyamodelmagazine.com

Advertising enquiries;
Tel; +44 (0)7708 028024
Email; alan@doolittlemedia.com

Subscription enquiries;
Tel; +44 (0)1525 222573
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HAVE TANK, WILL TRAVEL

Dora Wings's 1:48
P-47C Thunderbolt by
Brett Green



JUNGLE WRECK

Taking a close look
at a wrecked and
recovered early
P-47D Thunderbolt



SILENT DESTRUCTION

Dragon 1:35 A4/V-2 by Brett
Green, painted by Chris Wauchop

Military Illustrated Modeller Issue 158 AFV Edition on sale 17th October 2024

BALL LIGHTNING

Takom's Hetzer
'Kugelblitz' in 1:35



DEADLY BURN-OUT

A 1:35 British M3 Lee, knocked out in the desert

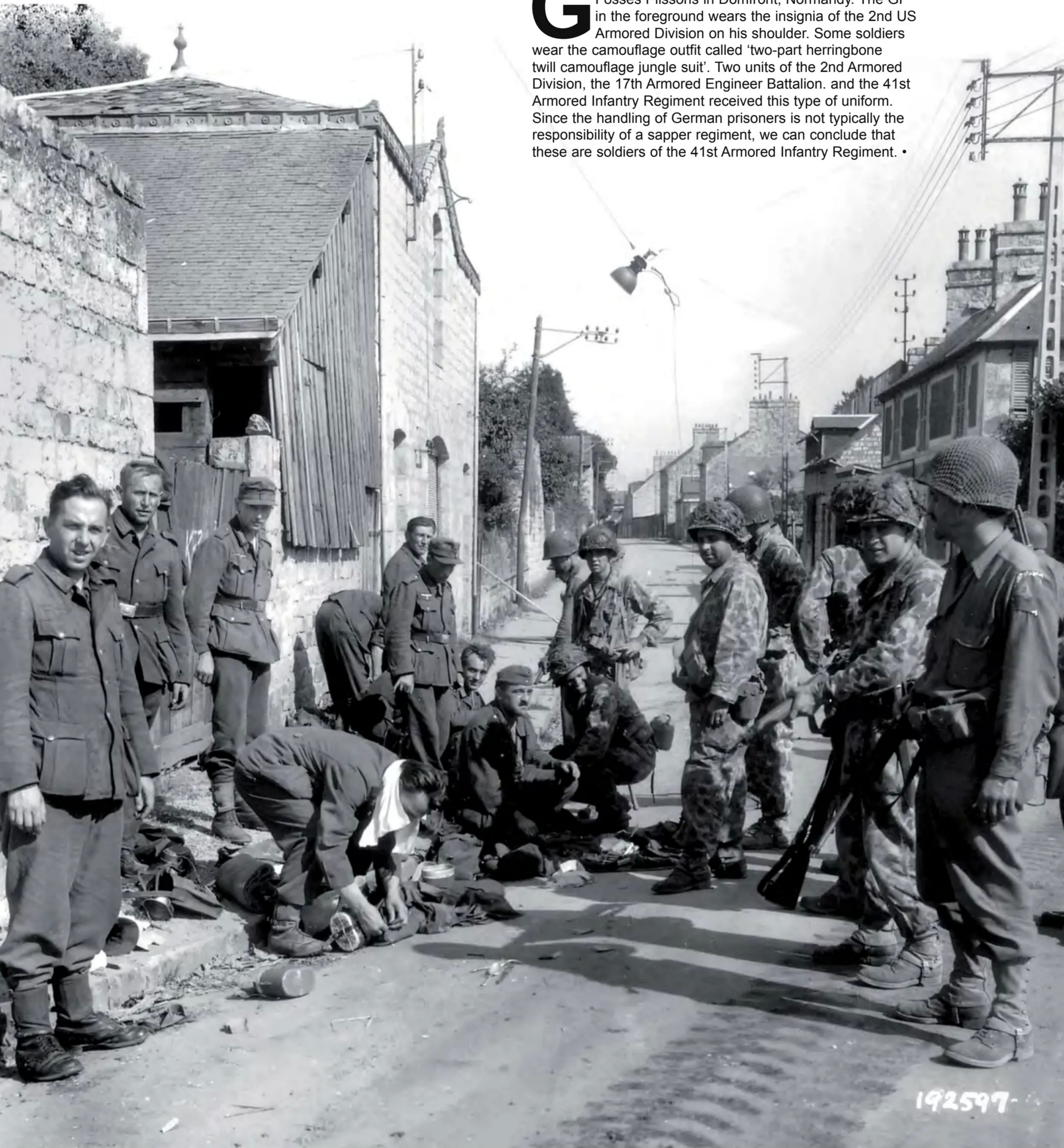


LAST OF THE TIGERS

Walk-around references of the mighty Tiger II

...THE WAR IS OVER

German prisoners and American soldiers rue des Fossés Plissons in Domfront, Normandy. The GI in the foreground wears the insignia of the 2nd US Armored Division on his shoulder. Some soldiers wear the camouflage outfit called 'two-part herringbone twill camouflage jungle suit'. Two units of the 2nd Armored Division, the 17th Armored Engineer Battalion, and the 41st Armored Infantry Regiment received this type of uniform. Since the handling of German prisoners is not typically the responsibility of a sapper regiment, we can conclude that these are soldiers of the 41st Armored Infantry Regiment. •



NEW from the 'HOW TO BUILD...' series



How to Build... TAMIYA'S 1:48 LOCKHEED P-38F/G LIGHTNING

By Marcus Nicholls

The Lockheed P-38 Lightning is an iconic US fighter from the Second World War. Its twin Allison V12 engines were mounted in booms to free-up the nose so it could house a fearsome array of four M2 Browning machine guns and a 20mm cannon. The twin-boom airframe became a sight feared by enemies wherever it served, with good reason.

In 2019, after several years of painstaking research, Tamiya released an all-new kit of this sleek aircraft and it has taken its place proudly in the 1:48 Aircraft Series as No.120 in the range.

In this new 'How To Build' book, Tamiya Model Magazine's Editor, Marcus Nicholls, presents no less than four built-up examples of Tamiya's fantastic model; one Lightning each from Brett Green and Spencer Pollard, plus two from Marcus Nicholls.

The second of Marcus's models incorporates resin and photo-etched super-detail sets from Eduard, showing how they can be used within the build to take the detail to an even higher level. New photos of the other models show how Brett Green and Spencer Pollard built and painted the models in their own styles.

The book includes four complete builds, covering the following topics:

- Adding photo-etched parts
- Using resin upgrade components
- Extending the nose undercarriage leg
- Upgrading the cockpit detail
- Weathering the airframe
- Alternative decal sets

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1/35
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Evolution at your Fingertips

Newly developed based on extensive research of the actual tank!

Our 1/35 Leopard 2 A6 kit has enjoyed a great reputation since its release in 2004. The Leopard 2 A7V is an improved version of A7 (which itself is an improved version of A6) and units began receiving it in 2021. The A7V features additional hull front armor to increase its survivability, and improved suspension with new torsion bars and tracks, plus turret-side baskets. Based upon intensive research of the actual tank in Germany, Tamiya is proud to welcome this tank as a 1/35 scale kit with totally new parts. The A7V features such as turret rear and hull side shape are realistically recreated. Also, snap-together assembly tracks and photo-etched parts further enhance the finished kit. Compare our two kits to get a feel for the evolution of tank technology over the last twenty years!

Length: 320mm, width: 110mm

Choose between head sections with helmet and beret.

Decals recreate German flags and 6 different sleeve rank insignia.

Comes with three marking options.

Features snap-together assembly type tracks.

Detail-Up Parts

1/35 Scale German Leopard 2 A7V Metal Gun Barrel (Item 12694)

The A7V gun barrel is recreated with a precise aluminum part for a fantastic finish.



Mud flaps are depicted hung on the turret rear sides.

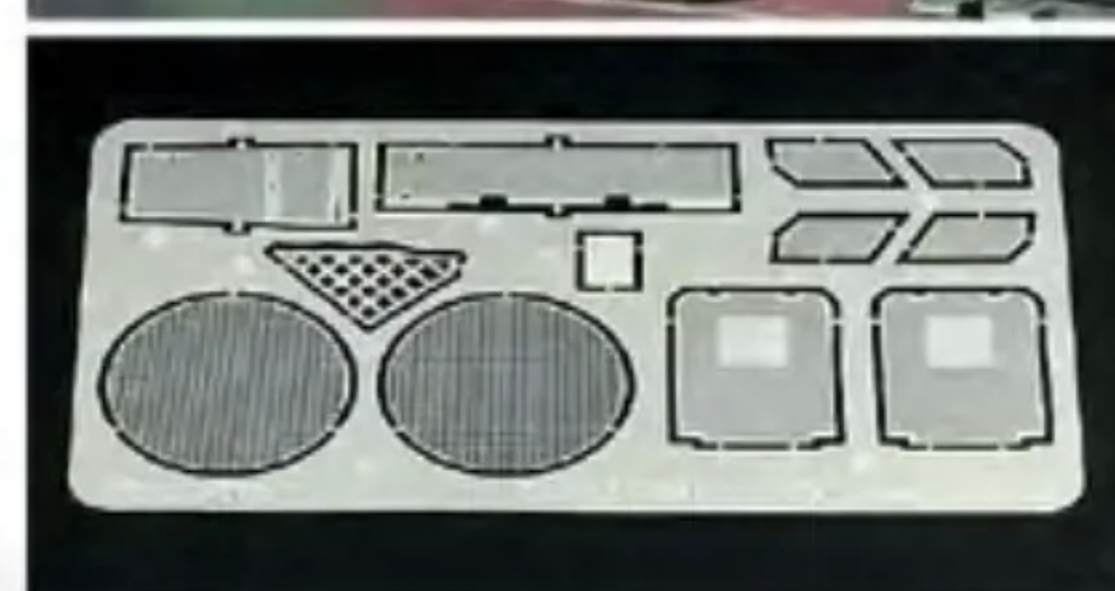


Photo-etched parts for engine grille mesh and turret-side basket sections.

★ Images show assembled and painted kit.
★ Product may vary from images shown.

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Check Tamiya's homepage for the latest releases! www.tamiya.com



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